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**The  
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Amy Brown**

The political  
writings of  
the French pos

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Structuralist  
Applications Amy  
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s have eluded  
articulation  
in the broader  
framework of  
general  
political  
philosophy  
primarily  
because of the  
pervasive  
tendency to

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define  
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politics along  
a single  
parameter: the  
balance  
between state  
power and  
individual  
rights in  
liberalism and  
the focus on  
economic

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justice as a  
goal in  
Marxism. What  
poststructural  
ists like  
Michel  
Foucault,  
Gilles  
Deleuze, and  
Jean-François  
Lyotard offer  
instead is a

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political  
philosophy  
that can be  
called  
tactical: it  
emphasizes  
that power  
emerges from  
many different  
sources and  
operates along  
many different

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registers.

This approach  
has roots in  
traditional  
anarchist  
thought, which  
sees the  
social and  
political  
field as a  
network of  
intertwined

# Get Free The Architecture Of Open Source practices with overlapping political

effects. The poststructuralist approach, however, eschews two questionable assumptions of anarchism, that human

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beings have an  
(essentially  
benign)

essence and  
that power is  
always  
repressive,  
never  
productive.

After  
positioning po  
ststructuralis



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t political  
thought  
against the  
background of  
Marxism and  
the  
traditional  
anarchism of  
Bakunin,  
Kropotkin, and  
Proudhon, Todd  
May shows what

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a tactical  
political  
philosophy  
like anarchism  
looks like  
shorn of its  
humanist commi  
tments&—namely  
, a poststruct  
uralist  
anarchism. The  
book concludes

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with a  
defense,  
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contra  
Habermas and  
Critical  
Theory, of pos  
tstructuralist  
political  
thought as  
having a  
metaethical  
structure

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allowing for  
positive  
ethical  
commitments.

An account of  
the life and  
work of the  
architect  
Minoru  
Yamasaki that  
leads the  
author to

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consider how  
(and for whom)  
Applications Amy  
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architectural  
history is  
written.

Sandfuture is  
a book about  
the life of  
the architect  
Minoru  
Yamasaki  
(1912–1986),

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who remains on  
the margins of  
history  
despite the  
enormous  
influence of  
his work on  
American  
architecture  
and society.  
That  
Yamasaki's

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most famous  
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projects—the  
Pruitt-Igoe  
apartments in  
St. Louis and  
the original  
World Trade  
Center in New  
York—were both  
destroyed on  
national  
television,

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thirty years  
Applications Amy  
apart, makes  
Brown  
his relative  
obscurity all  
the more  
remarkable.  
Sandfuture is  
also a book  
about an  
artist  
interrogating  
art and



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architecture's  
Applications Amy  
role in  
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culture as New  
York changes  
drastically  
after a decade  
bracketed by  
terrorism and  
natural  
disaster. From  
the central  
thread of

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Applications Amy  
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Yamasaki's  
life,  
Sandfuture  
spirals  
outward to  
include  
reflections on  
a wide range  
of subjects,  
from the  
figure of the  
architect in

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literature and  
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film and trans  
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formations in  
the  
contemporary  
art market to  
the perils of  
sick buildings  
and the  
broader social  
and political  
implications

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of how, and  
for whom,  
cities are  
built. The  
result is at  
once  
sophisticated  
in its  
understanding  
of material  
culture and  
novelistic in

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Applications Amy  
Brown

its telling of  
a good story.

This  
provocative  
book argues  
that it is  
high time the  
practice of  
architecture  
moved away  
from the ego-  
fuelled grand

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visions of  
starchitects  
to a  
networked,  
collaborative,  
inclusive  
model inspired  
by 21st-  
century trends  
such as crowd-  
sourcing, open  
access and

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mass  
Applications Amy  
customization.  
Brown

But how can  
collaborative  
design avoid  
becoming design  
n-by-  
committee?

Carlo Ratti  
and Matthew  
Caudel deftly  
navigate this

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and other  
Applications Amy  
vital Brown

questions,  
considering  
along the way  
the  
applications  
of open-source  
architecture  
not only  
conceptually,  
but also in



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practice. Open  
Source Applications Amy  
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Architecture  
is a rallying  
cry to  
students and  
open-minded  
professionals  
seeking new  
perspectives  
on a  
profession

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that the  
authors  
passionately  
believe to be  
moribund.

Architect and  
design highly  
scalable,  
robust, clean,  
and highly  
performant  
applications

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in Python  
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Book Identify  
design issues  
and make the  
necessary  
adjustments to  
achieve  
improved  
performance  
Understand  
practical

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quality Brown  
attributes  
from the  
perspective of  
a practicing  
engineer and  
architect  
using Python  
Gain knowledge  
of  
architectural

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principles and  
how they can  
be used to  
provide  
accountability  
and rationale  
for  
architectural  
decisions Who  
This Book Is  
For This book  
is for

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experienced  
Python  
developers who  
are aspiring  
to become the  
architects of  
enterprise-  
grade  
applications  
or software  
architects who  
would like to

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leverage  
Python to  
create  
effective  
blueprints of  
applications.  
What You Will  
Learn Build  
programs with  
the right  
architectural  
attributes Use

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Enterprise  
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solve scalable  
problems on  
the Web  
Understand  
design  
patterns from  
a Python  
perspective  
Optimize the



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environments  
or on the  
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Python Secure  
architecture  
applications  
in Python In

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Detail This  
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book starts  
Brown  
off by  
explaining how  
Python fits  
into an  
application  
architecture.  
As you move  
along, you  
will  
understand the

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architecturally significant  
Applications Amy  
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demands and  
how to  
determine  
them. Later,  
you'll get a  
complete  
understanding  
of the  
different  
architectural

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quality  
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requirements  
Brown  
that help an  
architect to  
build a  
product that  
satisfies  
business  
needs, such as  
maintainabilit  
y/reusability,  
testability,

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Brown

scalability,  
performance,  
usability, and  
security. You  
will use  
various  
techniques  
such as  
incorporating  
DevOps,  
Continuous  
Integration,

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and more to  
make your  
application  
robust. You  
will  
understand  
when and when  
not to use  
object  
orientation in  
your  
applications.

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You will be  
able to think  
of the future  
and design  
applications  
that can scale  
proportionally  
to the growing  
business. The  
focus is on  
building the  
business logic

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based on the  
business  
process  
documentation  
and which  
frameworks are  
to be used  
when. We also  
cover some  
important  
patterns that  
are to be



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taken into  
account while  
solving design  
problems as  
well as those  
in relatively  
new domains  
such as the  
Cloud. This  
book will help  
you understand  
the ins and

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outs of Python  
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so that you  
Brown  
can make those  
critical  
design  
decisions that  
not just live  
up to but also  
surpass the  
expectations  
of your  
clients. Style

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and approach  
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Filled with  
Brown  
examples and  
use cases,  
this guide  
takes a no-  
nonsense  
approach to  
help you with  
everything it  
takes to  
become a

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successful  
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Digital  
Property  
The Future of  
Modular  
Architecture  
There are no easy  
decisions in  
software  
architecture.

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Instead, there are many hard parts--difficult problems or issues with no best practices--that force you to choose among various compromises. With this book, you'll learn how to think critically about the

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trade-offs involved  
with distributed  
architectures.

Architecture  
veterans and  
practicing  
consultants Neal  
Ford, Mark  
Richards, Pramod  
Sadalage, and  
Zhamak Dehghani  
discuss strategies

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for choosing an  
appropriate  
architecture. By  
interweaving a  
story about a  
fictional group of  
technology  
professionals--the  
Sysops  
Squad--they  
examine everything  
from how to



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determine service  
granularity,  
manage workflows  
and orchestration,  
manage and  
decouple  
contracts, and  
manage distributed  
transactions to how  
to optimize  
operational  
characteristics,

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such as scalability,  
elasticity, and  
performance. By  
focusing on  
commonly asked  
questions, this  
book provides  
techniques to help  
you discover and  
weigh the trade-  
offs as you confront  
the issues you face

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as an architect.  
Analyze trade-offs  
and effectively  
document your  
decisions Make  
better decisions  
regarding service  
granularity  
Understand the  
complexities of  
breaking apart  
monolithic

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Manage and  
Brown  
decouple contracts  
between services  
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highly distributed  
architecture Learn  
patterns to manage  
workflow and  
transactions when  
breaking apart  
applications

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An exploration of how design might be led by marginalized communities, dismantle structural inequality, and advance collective liberation and ecological survival. What is the relationship

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between design,  
power, and social  
justice? “Design  
justice” is an  
approach to design  
that is led by  
marginalized  
communities and  
that aims explicitly  
to challenge, rather  
than reproduce,  
structural

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inequalities. It has emerged from a growing community of designers in various fields who work closely with social movements and community-based organizations around the world. This book explores

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the theory and  
practice of design  
justice,

demonstrates how  
universalist design  
principles and  
practices erase  
certain groups of p  
eople—specifically,  
those who are  
intersectionally  
disadvantaged or



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multiply burdened  
under the matrix of  
domination (white  
supremacist  
heteropatriarchy,  
ableism,  
capitalism, and  
settler  
colonialism)—and  
invites readers to  
“build a better  
world, a world

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where many worlds  
fit; linked worlds of  
collective liberation  
and ecological  
sustainability.”

Along the way, the  
book documents a  
multitude of real-  
world community-  
led design  
practices, each  
grounded in a

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particular social  
movement. Design  
Justice goes  
beyond recent calls  
for design for good,  
user-centered  
design, and  
employment  
diversity in the  
technology and  
design professions;  
it connects design

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to larger struggles  
for collective  
liberation and  
ecological survival.  
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Systems  
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(IntelliSys 2018),  
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remarkable

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applications. The  
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attracted a total of  
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from pioneering

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scientists,  
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industrial

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students from all  
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underwent a  
double-blind peer  
review process,  
after which 194  
(including 13

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poster papers)  
were selected to be  
included in these  
proceedings. As  
intelligent systems  
continue to replace  
and sometimes  
outperform human  
intelligence in  
decision-making  
processes, they  
have made it

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possible to tackle  
many problems  
more effectively.

This branching out  
of computational  
intelligence in  
several directions,  
and the use of  
intelligent systems  
in everyday  
applications, have  
created the need



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international  
conference, which  
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techniques for

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problems, along  
with a vision of  
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directions.

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presents an  
unprecedented  
proposal for mass-  
customized mid-

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and high-rise  
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modular housing  
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that can be

manufactured and  
distributed on a  
global scale.

Advocating for the  
adoption of open-  
source design  
based on a new  
modular standard,  
the book shows

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how the  
construction  
industry and  
architectural  
practice may soon  
be radically  
reshaped. By  
leveraging the  
existing intermodal  
freight transport  
system, global  
supply chains can

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be harnessed to realize the long-held promise that housing will be a well-designed and affordable industrial product. We are on the cusp of a transformative change in the way we design and build our cities.

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Author David  
Applications Amy  
Wallance argues  
Brown  
that modular  
architecture is  
profoundly  
intertwined with  
globalization,  
equitable  
urbanism, and  
sustainable  
development. His  
book addresses

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these timely issues through a specific approach grounded in fundamental concepts. Going beyond the individual modular building, Wallance forecasts the emergence of a new type of design, manufacturing, and



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construction  
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enterprise. Written  
in an approachable  
style with illustrated  
examples, the book  
is a must read for  
professionals in  
architecture and  
design, city  
planning,  
construction, real  
estate, as well as

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the general reader  
with an interest in  
these topics.

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construction  
utilities for  
compilers, virtual-  
machines,  
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computing,  
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utilities and  
application  
libraries are**

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***included. Each  
tool is covered in  
the context of a  
real like  
application  
development  
setting. This  
unique handbook  
presents a  
comprehensive  
discussion of  
advanced tools, a  
valuable asset***

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*used by most  
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*developers and  
programmers;  
includes a special  
focus on  
Mathematical  
Open Source  
Software not  
available in most  
Open Source  
Software books,  
and introduces*



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***several tools (eg  
ACL2, CLIPS,  
CUDA, and COIN)  
which are not  
known outside of  
select groups, but  
are very powerful.  
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Source Tools is  
designed for  
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developers and  
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to handheld  
organizers to  
refrigerators-- will  
find this book to  
be the most in-  
depth, practical,***

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*guide on the  
market. Designing  
Embedded  
Hardware carefully  
steers between the  
practical and  
philosophical  
aspects, so  
developers can  
both create their  
own devices and  
gadgets and*

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*customize and  
extend off-the-  
shelf systems.*

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hundreds of books  
to choose from if  
you need to learn  
programming, but  
only a few are  
available if you  
want to learn to  
create hardware.*

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*Embedded  
Hardware provides  
software and  
hardware  
engineers with no  
prior experience in  
embedded  
systems with the  
necessary  
conceptual and  
design building  
blocks to  
understand the*

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***architectures of  
embedded  
systems. Written  
to provide the  
depth of coverage  
and real-world  
examples  
developers need,  
Designing  
Embedded  
Hardware also  
provides a road-  
map to the pitfalls***

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*and traps to avoid  
in designing  
embedded  
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such essential  
topics as: The  
principles of  
developing  
computer  
hardware Core*



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specific***

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**computers.**

*The software  
development  
ecosystem is  
constantly  
changing,  
providing a  
constant stream of  
new tools,  
frameworks,  
techniques, and  
paradigms. Over  
the past few years,*

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*incremental  
developments in  
core engineering  
practices for  
software  
development have  
created the  
foundations for  
rethinking how  
architecture  
changes over time,  
along with ways to  
protect important*

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*architectural  
characteristics as  
it evolves. This  
practical guide ties  
those parts  
together with a  
new way to think  
about architecture  
and time.*

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Microservices  
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platform, and key  
open-source**

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step-by-step  
through a realistic  
case study project  
that illuminates**

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*key technical  
implementation  
tasks for*

*establishing end to  
end infrastructure,  
developing cloud-  
native  
applications,  
automating  
deployment, and  
realizing value.*

**Software  
Architecture for**

*Page 96/327*



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***Big Data and the  
Cloud  
Software  
Architecture with  
Python  
A Middleware  
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As Python continues to grow in popularity, projects are becoming larger and more complex. Many Python developers are now taking an interest in high-level software design patterns such

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as hexagonal/clean  
architecture, event-  
driven architecture,  
and the strategic  
patterns prescribed  
by domain-driven  
design (DDD). But  
translating those  
patterns into Python  
isn't always  
straightforward.  
With this hands-on

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guide, Harry  
Applications Amy  
Percival and Bob  
Brown  
Gregory from  
MADE.com  
introduce proven  
architectural design  
patterns to help  
Python developers  
manage application  
complexity—and get  
the most value out of  
their test suites. Each

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Brown  
pattern is illustrated  
with concrete  
examples in  
beautiful, idiomatic  
Python, avoiding  
some of the  
verbosity of Java  
and C# syntax.  
Patterns include:  
Dependency  
inversion and its  
links to ports and

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adapters  
Applications Amy  
Brown  
(hexagonal/clean  
architecture)

Domain-driven  
design's distinction  
between entities,  
value objects, and  
aggregates

Repository and Unit  
of Work patterns for  
persistent storage  
Events, commands,

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and the message bus  
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Command-query  
Brown  
responsibility  
segregation (CQRS)  
Event-driven  
architecture and  
reactive  
microservices  
From the Internet's  
infrastructure to  
operating systems  
like GNU/Linux, the

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open source  
movement  
comprises some of  
the greatest  
accomplishments in  
computing over the  
past quarter century.  
Its story embraces  
technological  
advances,  
unprecedented  
global collaboration,



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and remarkable tools  
for facilitating  
distributed  
development. The  
evolution of the  
Internet enabled an  
enormous expansion  
of open  
development,  
allowing developers  
to exchange  
information and

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ideas without regard  
to constraints of  
space, time, or  
national boundary.  
The movement has  
had widespread  
impact on education  
and government, as  
well as historic  
cultural and  
commercial  
repercussions. Part I

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discusses key open source applications, platforms, and technologies used in open development. Part II explores social issues ranging from demographics and psychology to legal and economic matters. Part III discusses the Free

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Foundation, open source in the public sector (government and education), and future prospects.

In 1974, Donald Knuth wrote, "We should forget about small efficiencies, say about 97%% of the time: premature

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optimization is the  
root of all evil."

With computers  
available now that  
are millions of times  
faster than those  
available then,  
today's programmers  
have even less  
reason to worry  
about shaving cycles  
and saving bytes

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Brown

than those a  
generation ago. But  
"less" isn't "none":

every once in a  
while, squeezing the  
last ounce of  
performance out of  
the machine really  
does matter. This  
book is written by  
over a dozen  
developers who have

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grappled with slow  
code, memory leaks,  
or uncontrollable  
latency in open  
source software.  
They share their  
mistakes and  
successes, and give  
the reader an over-  
the-shoulder view of  
how they  
approached their

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specific challenges.  
With examples from  
bioinformatics  
research code to web  
browsers, the  
solutions are as  
varied as the  
problems. This book  
will help junior and  
senior developers  
alike understand  
how their colleagues



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think about  
Applications Amy  
performance.  
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With the immense  
cost savings and  
scalability the cloud  
provides, the  
rationale for building  
cloud native  
applications is no  
longer in question.  
The real issue is  
how. With this

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practical guide,  
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Brown  
developers will learn  
about the most  
commonly used  
design patterns for  
building cloud native  
applications using  
APIs, data, events,  
and streams in both  
greenfield and  
brownfield  
development. You'll

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learn how to  
incrementally  
design, develop, and  
deploy large and  
effective cloud  
native applications  
that you can manage  
and maintain at scale  
with minimal cost,  
time, and effort.

Authors Kasun  
Indrasiri and

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Sriskandarajah  
Suhothayan  
highlight use cases  
that effectively  
demonstrate the  
challenges you  
might encounter at  
each step. Learn the  
fundamentals of  
cloud native  
applications Explore  
key cloud native

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communication,  
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connectivity, and  
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composition patterns

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data management  
techniques Use event-  
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to build distributed  
and scalable cloud  
native applications  
Explore the most  
commonly used

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patterns for API  
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management and  
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tools and  
technologies you'll  
need for building  
cloud native systems

Voices from the  
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Design Justice

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Culture  
Innovation Happens  
Elsewhere  
Leading Thinkers  
Reveal the Hidden  
Beauty in Software

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It's a plain fact:  
regardless of  
how smart,  
creative, and  
innovative your  
organization is,  
there are more  
smart, creative,  
and innovative  
people outside  
your organization



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than inside. Open  
source offers the  
possibility of  
bringing more  
innovation into  
your business by  
building a  
creative  
community that  
reaches beyond  
the barriers of  
the business.

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The key is  
developing a web-  
driven

community

where new types  
of collaboration  
and creativity  
can flourish.

Since 1998 Ron  
Goldman and  
Richard Gabriel  
have been

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Sun  
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Microsystems  
understand open  
source and  
advising them on  
how to build  
successful  
communities  
around open  
source projects.  
In this book the

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authors present  
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lessons learned  
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from their own  
experiences with  
open source, as  
well as those  
from other well-  
known projects  
such as Linux,  
Apache, and  
Mozilla. \* Winner  
of 2006 Jolt

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works and offers  
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reasons for using  
it to help achieve  
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work, discusses  
the various  
licenses in use,  
and describes  
what makes for a  
successful  
project. \*

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engineers that  
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development as  
well as its  
history,  
philosophy, and  
future

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As we pointed out in The Architecture of Open Source Applications, architects look at thousands of buildings during their training, and study the critiques of many more. But most



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software  
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developers only  
ever get to know  
a handful of  
programs well -  
usually programs  
they wrote  
themselves. This  
book provides  
you with the  
chance to study  
how 26

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experienced  
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programmers  
Brown  
think when they  
are building  
something new.  
The programs  
you will read  
about in this  
book were all  
written from  
scratch to solve  
difficult

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problems. A web  
server, a  
pedometer, a  
Python  
interpreter, a  
web-based  
spreadsheet, and  
many more  
applications are  
written, in 500  
lines of code or  
less, and

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described by  
their creators so  
that you can  
learn from their  
insights and their  
mistakes.

A quick start  
guide to learning  
essential  
software  
architecture  
tools,

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frameworks,  
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design patterns,  
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and best

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Features: Apply  
critical thinking  
to your software  
development and  
architecture  
practices and  
bring structure  
to your approach

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using well-  
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standards

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native  
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software  
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Integrate the  
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trends into your

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Description: Are you a seasoned developer who likes to add value to a project beyond just writing code? Have you realized that good

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development  
practices are not  
enough to make  
a project  
successful, and  
you now want to  
embrace the  
bigger picture in  
the IT  
landscape? If so,  
you're ready to  
become a



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software architect;  
someone who  
can deal with any  
IT stakeholder  
as well as add  
value to the  
numerous  
dimensions of  
software  
development.  
The sheer

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volume of  
content on  
software

architecture can  
be  
overwhelming,  
however.

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Architecture for  
Busy Developers  
is here to help.

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St é phane  
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Eyskens, author  
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of The Azure  
Cloud Native  
Mapbook, this  
book guides you  
through your  
software  
architecture  
journey in a  
pragmatic way  
using real-world

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scenarios. By  
drawing on over  
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understand the  
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software  
architect,  
without the fluff

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or unnecessarily  
complex theory.  
You'll begin by  
understanding  
what non-  
functional  
requirements  
mean and how  
they concretely  
impact target  
architecture. The  
book then covers

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frameworks used  
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across the entire  
enterprise  
landscape with  
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cases and  
examples.  
Finally, you'll  
discover ways in  
which the cloud  
is becoming a

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game changer in  
the world of Amy  
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software

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gained a holistic  
understanding of  
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landscape, as  
well as more  
specific software

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skills. You'll also  
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pursue your  
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(SOA), and  
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driven,  
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serverless, and  
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want to move up  
the  
organizational  
ladder and  
become software  
architects by

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understanding  
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application  
landscape and  
discovering how  
large enterprises  
deal with  
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practices. Prior  
knowledge of  
software

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development is  
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required to get  
the most out of  
this book.

Open source  
provides the  
competitive  
advantage in the  
Internet Age.  
According to the  
August Forrester  
Report, 56

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percent of IT  
Applications Amy  
managers  
Brown  
interviewed at  
Global 2,500  
companies are  
already using  
some type of  
open source  
software in their  
infrastructure  
and another 6  
percent will

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install it in the  
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next two years.

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This  
revolutionary  
model for  
collaborative  
software  
development is  
being embraced  
and studied by  
many of the  
biggest players



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in the high-tech  
industry, from  
Sun

Microsystems to  
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Cathedral & the  
Bazaar is a must  
for anyone who  
cares about the  
future of the  
computer  
industry or the

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dynamics of the  
information  
economy.

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of dollars have  
been made and  
lost based on the  
ideas in this  
book. Its  
conclusions will  
be studied,  
debated, and

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implemented for  
years to come.

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Young, "This is  
Eric Raymond's  
great  
contribution to  
the success of  
the open source  
revolution, to the  
adoption of Linux-  
based operating

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systems, and to  
the success of  
open source  
users and the  
companies that  
supply  
them." The  
interest in open  
source software  
development has  
grown  
enormously in

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the past year.  
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developments in  
1999 and 2000.  
Raymond's clear  
and effective  
writing style

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accurately  
describing the  
benefits of open  
source software  
has been key to  
its success. With  
major vendors  
creating  
acceptance for  
open source  
within  
companies,

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independent  
vendors will  
become the open  
source story in  
2001.

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2020, Innopolis,  
Russia, May  
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offers a*

*comprehensive  
review of secret  
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organizations and  
activities.*

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been in the news  
consistently since  
9/11 and the Iraqi  
WMD errors.*

*Leading experts in*

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Press  
the field approach  
the three major  
missions of  
intelligence: collect  
ion-and-analysis;  
covert action; and  
counterintelligence  
. Within each of  
these missions, the  
dynamically written  
essays dissect the  
so-called  
intelligence cycle  
to reveal the

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Press  
challenges of  
gathering and  
assessing  
information from  
around the world.  
Covert action, the  
most controversial  
intelligence  
activity, is  
explored, with  
special attention  
on the issue of  
military  
organizations

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moving into what  
was once primarily  
a civilian  
responsibility. The  
authors  
furthermore  
examine the  
problems that are  
associated with  
counterintelligence  
, protecting secrets  
from foreign spies  
and terrorist  
organizations, as

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Bauer

*well as the question of intelligence accountability, and how a nation can protect its citizens against the possible abuse of power by its own secret agencies. The Handbook of Intelligence Studies is a benchmark publication with*

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Research  
major importance  
both for current  
research and for  
the future of the  
field. It is essential  
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undergraduates,  
graduate students  
and scholars of  
intelligence  
studies,  
international  
security, strategic

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*studies and  
political science in  
general.*

*Middleware is the  
bridge that  
connects  
distributed  
applications across  
different physical  
locations, with  
different hardware  
platforms, network  
technologies,  
operating systems,*



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and programming  
Applications. Amy  
book describes  
middleware from  
two different  
perspectives: from  
the viewpoint of  
the systems  
programmer and  
from the viewpoint  
of the applications  
programmer. It  
focuses on the use  
of open source

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solutions for  
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creating  
middleware and  
the tools for  
developing  
distributed  
applications. The  
design principles  
presented are  
universal and apply  
to all middleware  
platforms,  
including CORBA  
and Web Services.

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*The authors have  
created an open-  
source*

*implementation of  
CORBA, called  
MICO, which is  
freely available on  
the web. MICO is  
one of the most  
successful of all  
open source  
projects and is  
widely used by  
demanding*

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companies and  
Applications Amy  
has also been  
adopted by many  
in the Linux  
community. \*  
Provides a  
comprehensive  
look at the  
architecture and  
design of  
middleware the  
bridge that  
connects

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*distributed  
software  
applications* \*

*Includes a  
complete,  
commercial-quality  
open source  
middleware system  
written in C++ \**

*Describes the  
theory of the  
middleware  
standard CORBA as  
well as how to*

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Burr

*implement a  
design using open  
source techniques  
An exploration of  
why we play video  
games despite the  
fact that we are  
almost certain to  
feel unhappy when  
we fail at them. We  
may think of video  
games as being  
"fun," but in The  
Art of Failure,*

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Applications Amy  
Brown

*Jesper Juul claims  
that this is almost  
entirely mistaken.*

*When we play  
video games, our  
facial expressions  
are rarely those of  
happiness or bliss.  
Instead, we frown,  
grimace, and shout  
in frustration as we  
lose, or die, or fail  
to advance to the  
next level. Humans*

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Architecture Of  
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Applications Any  
Programmer  
may have a  
fundamental desire  
to succeed and feel  
competent, but  
game players  
choose to engage  
in an activity in  
which they are  
nearly certain to  
fail and feel  
incompetent. So  
why do we play  
video games even  
though they make



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*us unhappy? Juul examines this paradox. In video games, as in tragic works of art, literature, theater, and cinema, it seems that we want to experience unpleasantness even if we also dislike it. Reader or audience reaction to tragedy is often*

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Burns  
*explained as  
catharsis, as a  
purging of negative  
emotions. But, Juul  
points out, this  
doesn't seem to be  
the case for video  
game players.  
Games do not  
purge us of  
unpleasant  
emotions; they  
produce them in  
the first place.*

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*What, then, does failure in video game playing do? Juul argues that failure in a game is unique in that when you fail in a game, you (not a character) are in some way inadequate. Yet games also motivate us to play more, in order to*

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escape that  
inadequacy, and  
the feeling of  
escaping failure  
(often by improving  
skills) is a central  
enjoyment of  
games. Games,  
writes Juul, are the  
art of failure: the  
singular art form  
that sets us up for  
failure and allows  
us to experience it

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*and experiment  
with it. The Art of  
Failure is essential  
reading for anyone  
interested in video  
games, whether as  
entertainment, art,  
or education.*

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book starts with  
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understand  
what enterprise  
architecture is  
and what the  
key components  
are. It will then  
teach you about  
the types of  
patterns and  
the principles of***

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development,  
and explain the  
various aspects  
of distributed  
computing to  
keep your  
applications  
effective and  
scalable. These  
chapters act as  
a catalyst to**

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***start the  
practical  
implementation,  
and design and  
develop  
applications  
using different  
architectural  
approaches,  
such as layered  
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the different  
approaches and  
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and safe  
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approach to  
show you the  
best tools and  
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authorship,  
ownership is  
challenged by  
the rise of  
digital and  
computational  
methods of  
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**challenges are**  
**simultaneously**  
**legal, ethical**  
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**methods of**  
**fabrication and**  
**manufacture**  
**going to**  
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**change not only**

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***that 3D printing  
'has the  
potential to  
revolutionize  
the way we  
make almost  
everything'.  
Nowhere will  
the impact of 3D  
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designers still  
exert the same  
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models? As  
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source  
processes, will  
the emphasis on  
signature as the*

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**basis of  
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remain**

**relevant? How  
will wider teams  
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This issue of AD  
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***features the  
work of  
designers who  
are developing  
wholly new  
approaches to  
practice by  
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continuous  
delivery  
(CI/CD) Achieve  
architectural  
goals by  
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design patterns,  
language  
features, and  
useful tools***  
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**Software  
architecture  
refers to the  
high-level  
design of  
complex  
applications. It  
is evolving just  
like the  
languages we  
use, but there  
are**

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concepts and  
patterns that  
you can learn to  
write high-  
performance  
apps in a high-  
level language  
without  
sacrificing  
readability and  
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patterns and  
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then move on to  
understanding  
what software  
architecture*

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**actually is and  
start exploring  
its components.**

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discover the  
design concepts  
involved in  
application  
architecture and  
the patterns in  
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development,**

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***before going on  
to learn how to  
build, package,  
integrate, and  
deploy your  
components. In  
the concluding  
chapters, you'll  
explore  
different  
architectural  
qualities, such***

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***maintainability,  
reusability,  
testability,  
performance,  
scalability, and  
security. Finally,  
you will get an  
overview of  
distributed  
systems, such  
as service-***

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**oriented  
architecture,  
microservices,  
and cloud-  
native, and  
understand how  
to apply them in  
application  
development.  
By the end of  
this book, you'll  
be able to build**

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***distributed  
services using  
modern C++  
and associated  
tools to deliver  
solutions as per  
your clients'  
requirements.  
What you will  
learnUnderstan  
d how to apply  
the principles of***

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them as per  
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enterprise  
application  
development  
has benefited  
from the  
emergence of  
many new**

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**enabling  
technologies.**

**Multi-tiered  
object-oriented  
platforms, such  
as Java and  
.NET, have  
become  
commonplace.  
These new tools  
and  
technologies are**

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**capable of  
building  
powerful  
applications,  
but they are not  
easily  
implemented.  
Common  
failures in  
enterprise  
applications  
often occur**

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***because their  
developers do  
not understand  
the  
architectural  
lessons that  
experienced  
object  
developers have  
learned.  
Patterns of  
Enterprise***

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**Application  
Architecture is  
written in direct  
response to the  
stiff challenges  
that face  
enterprise  
application  
developers. The  
author, noted  
object-oriented  
designer Martin**

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***Fowler, noticed  
that despite  
changes in tech  
nology--from  
Smalltalk to  
CORBA to Java  
to .NET--the  
same basic  
design ideas can  
be adapted and  
applied to solve  
common***



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***problems. With  
the help of an  
expert group of  
contributors,  
Martin distills  
over forty  
recurring  
solutions into  
patterns. The  
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different  
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and re-architect legacy  
applications Who this  
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technical officer (CTO), or senior developer looking to gain a firm grasp of software architecture. Most modern business systems include independent applications that exchange information with each other-a technique usually called enterprise

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integration. An architectural approach called the Enterprise Service Bus (ESB) offers developers a way to handle the messages between those independent applications without creating a lot of custom code. While commercial ESB solutions can be quite

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expensive to  
implement and  
maintain, a set of high-  
quality open source  
ESB tools offer the  
same functionality at a  
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routing, security,

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connectivity and more  
can be implemented  
using Mule and  
ServiceMix. You will  
also learn how to solve  
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integration problems  
using a structured  
approach. Beyond  
simply learning how  
Mule and Service Mix  
work, you'll learn the  
core techniques of



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ESB implementation such as Process Choreography, or the implementation of complex business processes through an ESB, and Service Orchestration, or exposing a set of services as a single service. The book shows you the fundamentals of ESB-

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based event processing  
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and Quality of Service  
concerns like security,  
reliable delivery, and  
transaction  
management.

Working in  
integration projects is  
exciting, with new  
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like Mule and ServiceMix both offer lower-cost solutions and a higher degree of innovation than commercial ESB implementations.

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16th IFIP WG 2.13  
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Conference on Open  
Source Systems, OSS  
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Innopolis, Russia, in  
May 2020.\* The 12  
revised full papers and  
8 short papers  
presented were  
carefully reviewed and  
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submissions. The papers cover a wide range of topics in the field of free/libre open source software (FLOSS) and discuss theories, practices, experiences, and tools on development and applications of OSS systems, with a specific focus on two aspects:(a) the

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development of open source systems and the underlying technical, social, and economic issue, (b) the adoption of OSS solutions and the implications of such adoption both in the public and in the private sector. \*Due to the COVID-19 pandemic, the conference was held

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powerful  
programming tools.

While there is a great  
deal of hype  
surrounding the use of  
Linux in embedded  
systems, there is not a  
lot of practical  
information. Building  
Embedded Linux  
Systems is the first in-  
depth, hard-core

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guide to putting  
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framework Selecting,  
configuring, building,  
and installing a target-  
specific kernel  
Creating a complete  
target root filesystem  
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manipulating, and  
using solid-state  
storage devices  
Installing and  
configuring a

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bootloader for the  
target Cross-compiling  
a slew of utilities and  
packages Debugging  
your embedded  
system using a  
plethora of tools and  
techniques Details are  
provided for various  
target architectures  
and hardware  
configurations,  
including a thorough

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review of Linux's support for embedded hardware. All explanations rely on the use of open source and free software packages. By presenting how to build the operating system components from pristine sources and how to find more documentation or

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help, this book greatly  
simplifies the task of

keeping complete  
control over one's  
embedded operating  
system, whether it be  
for technical or sound  
financial

reasons. Author Karim  
Yaghmour, a well-  
known designer and  
speaker who is  
responsible for the

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Linux Trace Toolkit,  
starts by discussing the  
strengths and  
weaknesses of Linux as  
an embedded  
operating system.  
Licensing issues are  
included, followed by  
a discussion of the  
basics of building  
embedded Linux  
systems. The  
configuration, setup,

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and use of over forty different open source and free software packages commonly used in embedded Linux systems are also covered. uClibc, BusyBox, U-Boot, OpenSSH, tthttpd, tftp, strace, and gdb are among the packages discussed.

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*Page 272/327*



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multiple projects which can help in developing cybersecurity solution architectures and the use of the right tools from the open-source software domain. This book has 8 chapters describing these projects in detail with recipes on how to use open-source tooling to obtain standard cyber defense and the ability

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to do self-penetration  
testing and  
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assessment. This book  
also demonstrates work  
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Open Sources 2.0 is a collection of insightful and thought-provoking essays from today's technology leaders that

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continues painting the evolutionary picture that developed in the 1999 book *Open Sources: Voices from the Revolution* . These essays explore open source's impact on the software industry and reveal how open source concepts are infiltrating other areas of commerce and society. The essays appeal to a



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broad audience: the software developer will find thoughtful reflections on practices and methodology from leading open source developers like Jeremy Allison and Ben Laurie, while the business executive will find analyses of business strategies from the likes of Sleepycat co-founder and CEO

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and open source software, is changing the world in ways we can only begin to imagine. Open Sources 2.0 further develops the evolutionary picture that emerged in the original Open Sources and expounds on the transformative open source philosophy. "This is a wonderful collection of thoughts

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and examples by great minds from the free software movement, and is a must have for anyone who follows free software development and project histories."

--Robin Monks, Free Software Magazine  
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organization  
Software  
Architecture for  
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Cloud is  
designed to be a  
single resource  
that brings  
together  
research on how  
software  
architectures  
can solve the  
challenges

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imposed by  
building big  
data software  
systems. The  
challenges of  
big data on the  
software  
architecture can  
relate to scale,  
security,  
integrity,  
performance,  
concurrency,  
parallelism, and

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dependability,  
amongst others.  
Big data  
handling  
requires  
rethinking  
architectural  
solutions to  
meet functional  
and non-  
functional  
requirements  
related to  
volume, variety

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and velocity.  
The book's  
editors have  
varied and  
complementary  
backgrounds in  
requirements and  
architecture,  
specifically in  
software  
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for cloud and  
big data, as  
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expertise in  
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engineering for  
cloud and big  
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Presents case  
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methodologies,  
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source code,  
with  
contributions  
from thousands  
of programmers  
around the  
world: this is  
the spirit of  
the software

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revolution known  
as Open Source.

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computer  
industry's  
attention.

Netscape has  
opened the  
source code to  
Mozilla; IBM  
supports Apache;  
major database  
vendors have

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ported their  
products to  
Linux. As  
enterprises  
realize the  
power of the  
open-source  
development  
model, Open  
Source is  
becoming a  
viable  
mainstream  
alternative to

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from the  
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source software  
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the mysteries of  
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software have  
overtaken and  
surpassed the  
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licensing and  
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