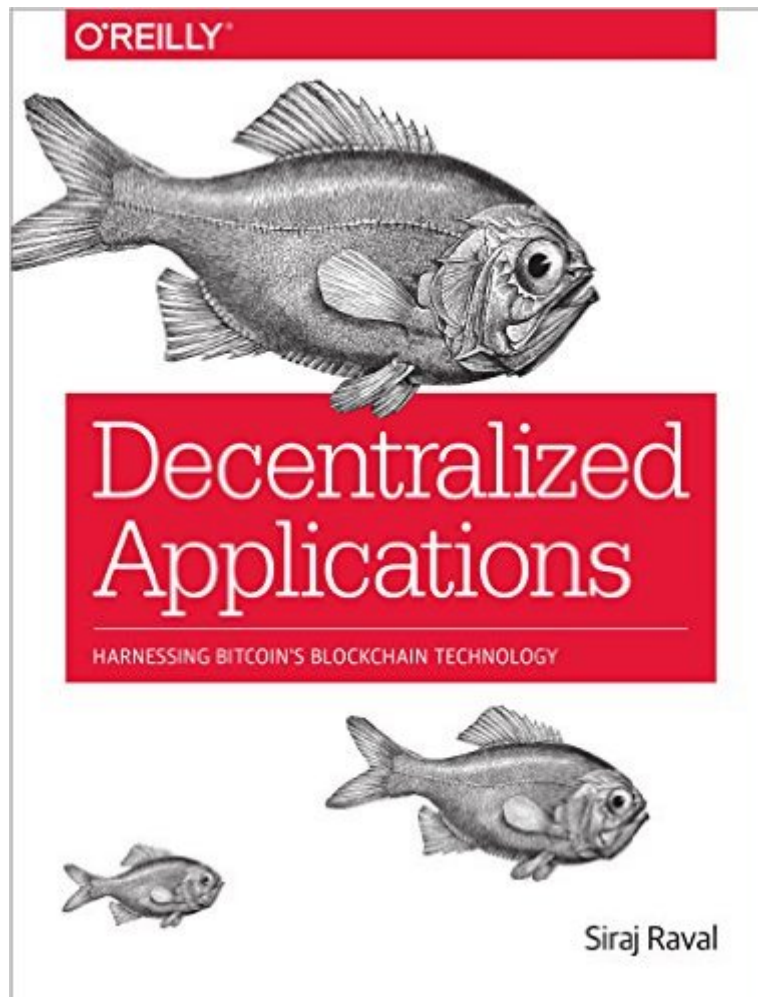


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# Decentralized Applications: Harnessing Bitcoin's Blockchain Technology



## Synopsis

Take advantage of Bitcoin's underlying technology, the blockchain, to build massively scalable, decentralized applications known as dapps. In this practical guide, author Siraj Raval explains why dapps will become more widely used and profitable than today's most popular web apps. You'll learn how the blockchain's cryptographically stored ledger, scarce-asset model, and peer-to-peer (P2P) technology provide a more flexible, better-incentivized structure than current software models. Once you understand the theory behind dapps and what a thriving dapp ecosystem looks like, Raval shows you how to use existing tools to create a working dapp. You'll then take a deep dive into the OpenBazaar decentralized market, and examine two case studies of successful dapps currently in use. Learn advances in distributed-system technology that make distributed data, wealth, identity, computing, and bandwidth possible. Build a Twitter clone with the Go language, distributed architecture, decentralized messaging app, and peer-to-peer data store. Learn about OpenBazaar's decentralized market and its structure for supporting transactions. Explore Lighthouse, a decentralized crowdfunding project that rivals sites such as Kickstarter and IndieGoGo. Take an in-depth look at LaZooz, a P2P ridesharing app that transmits data directly between riders and drivers.

## Book Information

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## Customer Reviews

It's horrible and filled with unexplained terminology, examples written in Go, lengthy documentation from the author's own unmaintained library, bad links, and unrelated applications. First, I consider it

a grave mistake on the publisher to allow any author to publish the documentation for their own library or examples that use their library when the book isn't self-titled by that name. The author's library is [github.com/II Sourcell/kerala](https://github.com/II Sourcell/kerala). In the book, it's cited improperly as [II Sourcell/go-kerala/kerala](https://github.com/II Sourcell/go-kerala/kerala). This is confirmed in the online errata. The kerala library has 1 contributor (the author), 0 forks, and the last commit to it was over 15 months ago. The use of kerala is prime to the entire third chapter "Building Your First Dapp" which is central to the book. I don't care about the author's dead project. Aside from that, I think though I'm not certain, the author is simply hosting the index page using Go's web server. That's not exactly decentralized. It has a single point of failure. Yes, each tweet is immutable and stored on IPFS but the index page is the tricky part and he skirts the whole issue while wasting the chapter documenting his own library. OpenBazaar and Lighthouse get their own chapters. But what is the chance that a user for these two projects will also be in the market for making their own Dapp using a library and a series of API's? This book muddles the distinction between user and developer. All that ties these subjects together is the hype of being "Dapp", a term the author seemingly fabricates "the best way to dive into why I've chosen the term Dapp [...]". The hypothetical questions that guide the sections are laughably silly, "Any app can be open source, so why aren't they?"

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