

Ethereum DApps for Web developers



Author:	Asif Mallik
Goodreads Rating:	3.00
ASIN	B078LVNG8R
Published:	December 23rd 2017
Pages:	223

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Ethereum has opened up a whole new type of apps that are completely decentralized and do not rely on any central server, hence it is trust and no one can tamper with the data. On top of that, it provides anonymity and allows easy exchange of money in the form of the cryptocurrency Ether. This combination of features were never possible before, making Ethereum an exciting new platform for app development. This book consists of 7 chapters, each of which lays out an aspect of DApp development. In the first chapter, we will familiarize ourselves with Ethereum, its underlying technologies and terminologies we will use throughout the book. In chapter 2, we are going to learn about Solidity the programming language for smart contracts in Ethereum and Remix, an IDE for Solidity. In chapter 3, we will dive into more advanced smart contracts such as those involving more cryptography and external data. In chapter 4, we will learn to deploy and interact with smart contracts on a private blockchain. In chapter 5, we will learn to test smart contracts using both JavaScript and solidity. In chapter 6, we are going to create our very own DApp frontend for an ICO we built in chapter 3. In the final chapter, we are going to discuss some of the security issues that arise in DApp development and how to navigate around them.