

## **Contents**

## **Preface** Who this book is for What this book covers To get the most out of this book Get in touch 1. Blockchain 101 The growth of blockchain technology **Progress towards maturity Rising interest Distributed systems CAP theorem PACELC theorem** The history of blockchain **Bitcoin Electronic cash Introducing blockchain Blockchain architecture Blockchain by layers Blockchain in business** Generic elements of a blockchain **Blockchain functionality** Benefits and features of blockchain <u>Limitations of blockchain technology</u> **Types of blockchain Distributed ledgers Shared ledger Public blockchains Private blockchains** Semi-private blockchains Permissioned ledger

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