

# Certified Blockchain Solutions Architect

**Practical AI concepts, responsible use, and**

A practical, student-friendly outline covering certified Blockchain Solutions Architect Overview, blockchain 101 Terminology and Components, e...

**MODULES**

**6**

**LESSONS**

**54**

**FORMAT**

Self-paced

## Module Breakdown

<p><b>MODULE 1</b></p> <p><b>Certified Blockchain Solutions Architect Overview</b></p> <ul style="list-style-type: none"> <li>1.1 Module 1 Introduction</li> <li>1.2 What is a CBSA</li> <li>1.3 Exam Questions</li> <li>1.4 Exam Objectives</li> </ul>	<p><b>MODULE 2</b></p> <p><b>Blockchain 101 Terminology and Components</b></p> <ul style="list-style-type: none"> <li>2.1 Module 2 Introduction</li> <li>2.2 What is a Blockchain</li> <li>2.3 Blockchain Terminology</li> <li>2.4 Blockchain Key Components</li> </ul>
<p><b>MODULE 3</b></p> <p><b>Exam Objectives</b></p> <ul style="list-style-type: none"> <li>3.1 Module 3 Introduction</li> <li>3.2 Proof of Work, Proof of Stake, Other Proof Systems</li> <li>3.3 Why Cryptocurrency is Needed</li> <li>3.4 Public, Private, and Permissioned Blockchains</li> <li>3.5 How Blocks are Written to a Blockchain</li> <li>3.6 Block Activity Demo</li> <li>3.7 Transactions Whiteboard</li> <li>3.8 Cryptography</li> <li>3.9 LTC Wallet Demo</li> <li>3.10 Database or Blockchain</li> <li>3.11 Public Blockchain Common Uses</li> <li>3.12 Private &amp; Permissioned Blockchain Common Uses</li> <li>3.13 Launching Your Own Blockchain</li> <li>3.14 Segwits and Forks</li> <li>3.15 Mining</li> <li>3.16 Byzantine Fault Tolerance</li> <li>3.17 Consensus Among Blockchains</li> <li>3.18 Hasing</li> </ul>	<p><b>MODULE 3</b></p> <p><b>Exam Objectives (continued)</b></p> <ul style="list-style-type: none"> <li>3.19 Anders Hashing Demo</li> <li>3.20 Security in Blockchain</li> <li>3.21 Smart Contracts and dApps</li> <li>3.22 History of Blockchain</li> <li>3.23 Blockchain Programming Languages</li> <li>3.24 Common Testing and Deployment Practices</li> <li>3.25 Metamask Demo</li> <li>3.26 Value Creation</li> <li>3.27 Blockchain Architecture</li> <li>3.28 Corda Blockchain Architecture Whiteboard</li> <li>3.29 Enterprise Blockchains</li> <li>3.30 Bitcoin Improvement Protocols</li> </ul>

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## Module Breakdown (continued)

<p><b>MODULE 4</b></p> <p><b>Hyperledger</b></p> <ul style="list-style-type: none"><li>4.1 Module 4 Introduction</li><li>4.2 Hyperledger Project</li><li>4.3 Hyperledger Fabric</li><li>4.4 Hyperledger Chaincode</li><li>4.5 Hyperledger Fabric Whiteboard</li><li>4.6 Hyperledger Fabric on AWS Demo</li></ul>	<p><b>MODULE 5</b></p> <p><b>Ethereum</b></p> <ul style="list-style-type: none"><li>5.1 Module 5 Introduction</li><li>5.2 Ethereum Overview</li><li>5.3 Ethereum EVM</li><li>5.4 Ethereum Browsers</li><li>5.5 Ethereum Development</li><li>5.6 Etherscan Demo</li></ul>
<p><b>MODULE 6</b></p> <p><b>Course Closeout</b></p> <ul style="list-style-type: none"><li>6.1 Module 6 Introduction</li><li>6.2 Summary Review</li><li>6.3 Taking the CBSA Exam</li><li>6.4 Practice Question</li></ul>	