HOW TO BECOME A BLOCKCHAIN ENGINEER?

101blockchains.com
Why **Learn Blockchain With Us?**

- Trusted
- Strategic
- Practical
Who Is a Blockchain Engineer?

Blockchain engineers are tasked with implementing and developing digital blockchain-based solutions for enterprises. An engineer is also expected to analyze blockchain solutions and create accelerators, assets or assist in the enterprise infrastructure development process. In many companies, a blockchain engineer is expected to become a team leader and a manager to lead blockchain development processes.
What Are the **Blockchain Engineer Skills** You Need to Master?

- Get Thorough Knowledge about Blockchain Basics
- Have an Applicative Sense of the Data Structures
- Know the Basics of Web Development
- Have a Deep Understanding of Different Blockchain Platforms
- Be a Master of the Blockchain Development Tools
- Get a Degree Computer Science Engineering
- Learn How the Blockchain Architecture Works
- Be Advanced Cryptography Master
- Be an Expert in Various Programming Languages
- Possess Knowledge Blockchain Standards
- Possess Strategic Skills
- Sign Up for a Blockchain Certification Program
Get familiar with the concepts behind blockchain technology lexicons and terms – for example, dApps, Block, Fork, Nodes, Token, etc.

Technical concepts of blockchain are extremely crucial such as smart contracts, mining, 51% attack, APIs, protocols, etc.

Learn about asset tokenization and various forms of tokenization processes and tokens.
Learn How the Blockchain Architecture Works

- Understand how consensus algorithms work. Hash functions, cryptography methods are equally important.
- Learn the process of achieving immutability within the blockchain ledger.
- Go through whitepapers on various blockchain platforms and understand how wallets work.
Start testing out existing data structures and make tweaks to see how they work.

Understand the working method of various data structures used in blockchain.

Learn about all the elements that create data structures and understand each of their functionality.
Understand the roles of cryptography within the blockchain ecosystem.

Learn how you can generate key pairs and encrypt data.

Practice regularly and play around with these to detect any kind of internal issues or loopholes.
You need to master the ins and outs of front-end and back-end development.

Learn how to develop databases, APIs, libraries, servers, etc. These are related to back-end development.

Learn how to develop cross-browser developments, user interfaces, webpages, etc. These are related to front-end development.
Be an Expert in Various Programming Languages

Start with learning the basic 4 programming languages - Solidity, Python, Java, and C++. These are crucial for blockchain.

Next, move on to more advanced languages – Rust, Go, Ruby, JavaScript, etc.

Practice vigorously and learn one language at a time to avoid any problems and perfecting your skills.
Have a Deep Understanding of Different Blockchain Platforms

- Get profound knowledge of various types of blockchain technology.
- Start with private, public, and federated. Then move on to permissioned and permissionless.
- Understand their pros and cons in order to detect their usefulness in an enterprise scenario.
Learn about blockchain standards other than Bitcoin platform as it's not enterprise-friendly.

Start with the core elements of Hyperledger, Corda, Quorum, Ethereum, etc.

Go through their whitepapers and test their code to gain skills.
Learn How **Interoperability** Works

- Master interoperability to interconnect various platforms and create a hub for industries around the globe.
- When implementing interoperability projects, use common standards to do it.
- Learn how to implement multi-chain platforms with plug and connect options.
Be a Master of the Blockchain Development Tools

1. Be efficient when you are using development tools like these can save a lot of time.
2. Understand how popular tools work, such as Ganache CLI, Parity, Caliper, Geth, and so on.
3. Start to use blockchain templates. These can help to develop proper strategies for blockchain solutions.
Start to use strategic skills to develop innovative blockchain-based solutions.

Strive to become a forward thinker and predict probable marketable outcomes.

Anticipate any challenges within the blockchain roadmap and prepare to deal with them.
Get a Degree in **Computer Science & Engineering**

1. It's important to have a bachelor's degree in computer science to showcase credibility.
2. Another option is to get a diploma or degree in computer engineering.
3. Try to undergo training programs specifically geared to the blockchain.
Enroll in a blockchain certification course to show credibility.

Complete an enterprise blockchain certification course.

Participate in any examination process to evaluate your skill level.
Why Go for **Blockchain Engineer Jobs**?

- Better Pay and Security
- High Demand
- Flexibility in Work Environment
- Opportunity To Work on New Technology
Many companies are paying a hefty salary for blockchain engineers.

Expect a salary ranging from $104k to $190k every year.

Opportunity to get added rewards and bonus facilities.
The demand for blockchain engineers has increased drastically compared to other roles.

The lack of adequate professionals is the reason behind this surge in demand.

80% of companies are interested in investing in blockchain, so it's a massive opportunity for professionals.
Flexibility in Work Environment

- Expect more options for professional growth.
- Companies offer flexible working hours.
- Scope of getting more freedom regarding developing blockchain solutions and work plans.
Opportunity To Work on New Technology

- Possibility of developing a new type of global business model.
- Opportunity to change the work process of enterprise companies.
- Scope of working on the next revolution in technology.
101 Blockchains Certifications

Certified Enterprise Blockchain Professional
https://academy.101blockchains.com/courses/blockchain-expert-certification

Certified Enterprise Blockchain Architect

Certified Blockchain Security Expert
Additional **Blockchain Courses** for Enhancing Expertise

- **How to Build Your Career in Enterprise Blockchains**

- **Getting Started with Hyperledger Fabric**

- **Ethereum Development Fundamentals**

- **Beginner's Guide to Corda Development**
Why You Must Go With **101 Blockchains**

Certification Courses?

- High-Quality Research Information
- First-class Training Content
- Interactive Exercises
- Flexible Learning Using Modular Approach
- Access to Bonus Training Materials
- Various Training Strategies for Faster Learning
- Tangible Proof of Course Completion
- Weekly Hands-on Assignments
- Professional Instructors
- Premium Support
101 Blockchains

Free Resources

Enterprise Blockchains Fundamentals - Free Course

Blockchain Webinars

Blockchain Conferences
101 Blockchains
Trusted By 15,000+ Professionals!
Read real stories on Trustpilot and G2Crowd.

- Best Support
  - Small Business
  - SPRING
  - 2021

- High Performer
  - SPRING
  - 2021

- High Performer
  - Europe
  - SPRING
  - 2021

- Users Love Us

Trustpilot
410 reviews
Thank You