

Hyperledger Fabric Developers Certificate Program - Overview

This 80-hour progressively elaborate online certificate program provides effective hands-on training opportunities to understand and apply Hyperledger Fabric. It provides participants with the methods, skills, tools, and techniques required to become a working Hyperledger Fabric blockchain expert.

At the end of the program attendees should leave with the knowledge, vocabulary and skills needed to handle Hyperledger Fabric in professional situations. They will also acquire the tools necessary to develop their organization's blockchain and/or cryptocurrency strategy, and successfully promote it.

Graduates of the Hyperledger Fabric Developers Certificate Program are qualified to write the Foundation Technologies Institute exam to obtain their Hyperledger Fabric Developers Professional credential.

Objectives

- To clarify the concepts of blockchain while empowering attendees to use and discuss blockchain and cryptocurrency in professional situations.
- Provide graduates with a solid foundation of knowledge, techniques and tools that cover every aspect of Hyperledger Fabric development and deployment.
- Help companies prepare for a blockchain enabled future while avoiding possible risks.
- Enable organizations to gain and retain a competitive advantage through the effective use of blockchain.

Why Blockchain?

- The impact of blockchain technology is being felt across a wide range of industries including banking, healthcare, entertainment and supply chain management.
- Blockchains are fast becoming the backbone for the new digital economy.
- It is a disruptive technology that is rapidly generating new opportunities for employment.
- There is a global shortage of talent trained in blockchain.

Admission Requirements

- A computer (with at least 8 GB RAM and 100 GB free space) Linux, MacOS Or Windows
- Access to the internet
- Two years of education in English, in an English-speaking country with one of the following:
 - English 12 (67%); or
 - 3.0 credits of post-secondary English, Humanities or Social Sciences (67%)

Graduation Requirements

Students must attain a minimum grade of 70% in all lessons in the program.

Hyperledger Fabric

This course is designed to provide you with a foundational background and understanding of the emerging technology called blockchain and further to spark your interest in the Hyperledger Fabric as a tool for businesses world-wide.



Learning Outcomes

At the conclusion of this program, students will be able to:

- Describe the origin of blockchain technology
- Define blockchain including its purpose
- Explain the Architecture of blockchain
- Describe the features of Hyperledger Fabric
- Explain the technical aspects of Hyperledger Fabric
- Explain the difference between Hyperledger Fabric and other blockchains
- Describe blockchain's value proposition as a technology and as a disruptor
- Describe the current impact of blockchain technology on all aspects of business and society
- Deploy Hyperledger Fabric on both IBM's and AWS platforms
- See via Demos how things work within Hyperledger Fabric
- Explain and map out a roadmap for the implementation of Hyperledger Fabric within an organization

Student Assessment

Assignments	50%
Quizzes	50%
TOTAL	100%

Hyperledger Fabric – Details

Blockchain technologies are now more than just a trial run. They are starting to go from a Proof of Concept to a Production use case. As a pre-sales engineer, solutions engineer or technically focused expert facing customers knowing how to speak blockchain is going to a required skill especially for large VARs, Vendors, Integrators, etc.

Hyperledger Fabric is the most widely used permissioned blockchain and demand has never been higher for blockchain expertise

This online training is focused on preparing IT professionals in Hyperledger Fabric and providing uses cases with demos. It will introduce you to the need for Blockchain applications, use cases, and about Hyperledger Fabric, which is the open source framework for developing Blockchain applications and solutions with a modular architecture, used world-wide.

A significant number of Demos and Whiteboard will help reinforce learning. There are also numerous practice questions that can be used for study as well for the Hyperledger Profession Exam offered by the Foundational Technologies Institute. www.ftechinstitute.com

This program has been developed mainly for systems engineers, systems architects and new blockchain developers.

What will be covered to get you enabled

- Understand what Hyperledger Fabric is
- Appreciate how Hyperledger Fabric compares to other blockchains
- Blockchain Architecture basics and advanced concepts
- Hyperledger Fabric basic and advanced concepts.
- Developing on Hyperledger Composer and what BNA, CTO and ACL files are.
- Choose appropriate Hyperledger blockchain deployments for various use cases
- Deployment demos on AWS and IBM cloud services
- Resources to help find out more information

This training program is for you because...

1. You are new to blockchain technology and want to understand basic concepts of blockchain and what materials to learn about Hyperledger Fabric
2. Anyone who has interest in Blockchain technology and would be interested in obtaining a Hyperledger Professional Certification
3. You are an aspiring blockchain architect that would like to validate your knowledge with the industry leading blockchain architecture certification
4. You need to understand the use cases for blockchain and resources to help get started in the blockchain space.

The training program developed by a Subject Matter Expert in Blockchain, Hyperledger and Cloud Computing.



Joseph Holbrook

- Consulting Blockchain Solutions Architect/Trainer/Speaker out of Jacksonville, FL
- Certified Blockchain Solutions Architect (CBSA)
- Certified Blockchain Expert (CBE)
- Certified Bitcoin Professional (CBP)
- Certified Blockchain Developer Hyperledger (CBDH)
- Certified Corda Developer
- Certified Google Cloud Platform Cloud Architect
- Certified AWS Solutions Architect
- Brocade Distinguished Architect (BDA) 2013
- EMC Proven Professional – Expert – Cloud (EMCCE)
- Published Course Author on Pearson Safari, Udemy, LinkedIn Learning
- Author “Architecting Enterprise Blockchain Solutions” – Wiley July 2019
- Prior US Navy Veteran