



# Blockchain Certified Professional Training

## About DevOpsSchool

DevOpsSchool is a unit of "Cotocus PVT Ltd" and a leading platform which helps IT organizations and professionals to learn all the emerging technologies and trend which helps them to learn and embrace all the skills, intelligence, innovation and transformation which requires to achieve the end result, quickly and efficiently. We provide over 40 specialized programs on DevOps, Cloud, Containers, Security, AI, ML and on Big data that are focused on industry requirement and each curriculum is developed and delivered by leading experts in each domain and aligned with the industry standards.

## About Course

Blockchain development is considered to be the next big thing after the invention of the internet. With blockchain you are able to make and distribute applications in a way that has never been possible before. Trust and financial transactions can be done between complete strangers with full transparency and reliability.

In this course we are going to focus on the fundamentals of Blockchain development and a popular implementation of the technology called Ethereum. By the end of this course you will know everything you need to know to be productive with blockchain development including how to set up and configure your development environment from scratch.

## How does it work?

Blockchain technology can be used to create a permanent, public, transparent ledger system for compiling data on sales, tracking digital usage, and paying content creators. Each block in the chain contains multiple transactions, and each time a new transaction occurs on the blockchain, a record of that transaction is added to each participant's ledger.



Co-coordinator – Akanksha Kumari

Call/WhatsApp: - +91 1800 889 7977

Mail Address: -

[contact@DevOpsSchool.com](mailto:contact@DevOpsSchool.com)

Secondary contact – Patrick

Call/WhatsApp: - +91 7004 215 841

Mail Address: - [contact@DevOpsSchool.com](mailto:contact@DevOpsSchool.com)

Duration	40 Hours
Mode	Online (Instructor-led, live & Interactive)
Projects (Real time scenario based)	1

FEATURES	DEVOPSSCHOOL	OTHERS
Faculty Profile Check	✓	✗
Lifetime Technical Support	✓	✗
Lifetime LMS access	✓	✗
Top 25 Tools	✓	✗
Interviews Kit	✓	✗
Training Notes	✓	✗
Step by Step Web Based Tutorials	✓	✗
Training Slides	✓	✗
Training + Additional Videos	✓	✗



## Training

DevOps As part of this course, you would be strong in DevOps technology. You would learn Linux, Python, DevOps, Docker, Jira, Git, SonarQube, Maven, Ansible, Jenkins, Kubernetes, Datadog, Splunk, NewRelic, Terraform and various other stacks related to this methodology.

## Projects

In Blockchain training & Certification Course a Participant will get total 100+ Lab Assignment, real-time scenario-based projects to work on, and 250+ real-time interview questions, as part of these projects, we would help our participant to have first-hand experience of the real-time scenario-based project from scratch to end. We would also help our participants to visualize a real Blockchain environment.

## Interview

As part of this, You would be given complete interview preparations kit, set to be ready for the Blockchain hotseat. This kit has been crafted by 200+ years industry experience and the experiences of nearly 10000 DevOpsSchool Blockchain learners worldwide.

# AGENDA OF THE BLOCKCHAIN CERTIFIED PROFESSIONAL TRAINING

## Course Overview

- Course Overview

## Introduction

- Introduction to Blockchain Fundamentals

## Blockchain Concepts

- What Is Blockchain?
- Bitcoin and Blockchain
- How Does It Work?
- Hashing
- The Block
- Securing Your Data
- Public vs. Private
- The Major Offerings
- Usages for Blockchain

## Introduction to Ethereum and DAPPS

- What is Ethereum?
- The Enterprise Ethereum Alliance
- Distributed Applications (DAPPS)
- Payment Model - Gas
- Transactions
- The Effect of Startgas and Gasprice
- Ethereum on Microsoft Azure
- Demo: Azure Account Setup
- Demo: Ethereum Setup
- Demo: Ethereum Deployed



## Setting up the Development Environment

- Overview
- Demo: Adding More Data
- Search in Blockchain
- Demo: Blockchain Search
- Blockchain Search Commands
- Demo: Blockchain Processing Language
- Blockchain Reports
- Demo: Reporting in Blockchain
- Blockchain Alerts
- Demo: Alerts in Blockchain
- Summary

## Understanding Smart Contracts

- Smart Contracts Basic
- Truffle and Test RPC
- Hello World Demo
- Demo: Deploy and Test
- Advanced Types
- Demo: Storage
- Demo: GETH and Unlock Account
- Calling External Functions
- Demo: Calling External Functions

## Sample Application: FoodSafe

- Introduction
- Demo: Truffle Webpack
- FoodSafe Description
- Demo: FoodSafe Contract
- Demo: FoodSafe Server
- Demo: FoodSafe Client Part 1 - Webpage
- Demo: FoodSafe Client Part 2 - Backend

## Summary and Way Forward

- Learning Goals Review
- Way Forward

## Trust in the Digital Age

- Learning Goals Review
- Way Forward

# Thank you!

Connect with us for more info

Call/WhatsApp: - +91 968 682 9970

Mail: - [contact@DevOpsSchool.com](mailto:contact@DevOpsSchool.com)

[www.DevOpsSchool.com](http://www.DevOpsSchool.com)