LFD232 - Cloud Foundry for Developers

Modality: On Demand

Duration: 40 Hours

About this course:

This online training program was designed to fit in with one of the digital world's most demanded market skills. The program was designed so that developers can gain marketable aptitudes for the whole set of Cloud Foundry certified platforms. This online training will provide you the concepts of how a cloud-native microservice solution can be built, installed and regulated. This course gives you the ability to learn by using the labs and hands-on experiments, and this helps you to learn through practical demonstration. The target areas of the program are:

- Services and applications: best approaches to use for device deployment, scaling, and control. Methods by which Cloud Foundry apps provide and utilize services.
- Cloud Foundry Architecture: The program's key features and their various ways of working together to help developers.
- Cloud Native Design: In what ways will Cloud Foundry build microservices and follow the design features of 12 application factors?
- Debugging and Troubleshooting: this is about using the functionality of Cloud Foundry to identify and address issues in the programs ' application configuration and setting.

A Cloud Foundry Software Engineer earns on average $104,463 annually.

Learning objectives:

- CF motivators: identifying the changes in the needs of the industry which give way to the cloud-native movement and the function of Cloud Foundry in the sector.
- Resilience: These are the availability and resilience elements of the default Cloud Foundry
- Metrics and logging: gain an understanding of Cloud Foundry's metrics and logging framework that includes relevant features such as how apps can log in and how users interact with the logging framework.
- Troubleshooting and debugging: this is about using the functionality of Cloud Foundry to diagnose and address issues in the programs ' framework and system configuration.
- Platform expansion: bringing about growth and developments in Cloud Foundry capabilities
- Continuous Integration and Continuous Delivery Automation: Using the right approaches to computerize the application lifecycle.

Audience:

This program is planned for those developers who are recent to Cloud Foundry and want to obtain appropriate and successful training and improve their expertise in this area. This program would boost their chances of becoming a Certified Developer in Cloud Foundry.

Requirements:

The program needs an active developer from you. You should be experienced in the use of command-line software and have the know-how of simple cloud computing principles. An additional bonus would be getting knowledge of Ruby, Spring/Java, and/or Node.js.

Suggested pre-taken courses:

- Js Beginners
- Fundamentals of cloud computing-MOC-On-Demand (OD99994)

Course Outline:

- **Chapter 1. Course Introduction**

- **Chapter 2. CF Motivators**

- **Chapter 3. Basic Definitions**

- **Chapter 4. Technical Overview**

- **Chapter 5. Core Themes**

- **Chapter 6. Logging and Metrics**

- **Chapter 7. Resiliency**

- **Chapter 8. Services**

- **Chapter 9. Twelve-Factor Applications**

- **Chapter 10. Log Drain Review**

- **Chapter 11. Manipulating Routes**

- **Chapter 12. App Execution and Security Groups**

- **Chapter 13. Staging and Running**

- **Chapter 14. Microservices**

- **Chapter 15. Route Services**

- **Chapter 16. Docker**

- **Chapter 17. TCP Routing**

- **Chapter 18. UAA and OAuth2**

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