

En-lighten Technology Ltd

Cloud Native for Recruiters

Overview

Cloud native is more than just a technology or a tool set. It is a new paradigm for building applications to take advantage of cloud computing. The new paradigm requires not only embracing new technology but also new ways of working. By adopting new technology but continue with existing ways of working the significant benefits of cloud native will not be realized.

This workshop will provide a high-level view of what cloud native means and the technologies and tools available. The aim is to provide a picture that will enable those involved in recruitment to understand applicants background, ask relevant questions and identify those engineers who really have cloud native skills or display an aptitude that will enable them to develop and evolve their skills to work in a cloud native way.

Attendees will learn

- What Cloud Native really is
- What makes cloud native successful
- The architectures and technology of cloud native systems
- Cultural and changes in working practices required for success
- Example questions to ask candidates

Audience and Recommended Background

This course is for recruiters who wish to understand what cloud native is and what questions to ask to determine if candidates really understand what cloud native is rather than know a large list of buzz words.

Course Approach

The course is presentation based and will have a number of live demonstrations as well as quizzes

Course Duration: 1/2 day

Course Content

What is Cloud Native?

- Cloud types: public, private, hybrid, multi-cloud
- Cloud services and architecture
- Why cloud native

Architectures

- Architectures to make best use of the cloud
- Microservices
- Event driven

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- APIs

Infrastructure and provisioning

- Automatic provisioning
- Containerisation, Kubernetes
- Lower-level technologies: DPDK and core-pinning, Smart-NICs, AVX512, GPU CUDA programming

Software Delivery

- Continuous integration, delivery and deployment,
- Technologies, Jenkins, Tekton, Terraform, Ansible, Chef, Puppet etc

Maintenance

- DevOps
- Site Reliability Engineering
- Observability

Process

- Data driven
- Lean
- Agile

Culture

- The key to success with cloud native
- Characteristics of a strong culture