

WASTC 2019 Faculty Development Weeks

## Amazon Web Services (AWS) Cloud Computing Architecture Boot Camp

Dates: In Person, August 5 - 9, 2019

Foothill College Sunnyvale Center, 1070 Innovation Way, Sunnyvale, CA 94089

**Target Audience:** This course is for you if ...

- You are interested in developing and offering more advanced Cloud Computing Courses.
- You attended the AWS Practitioner workshop in June

**NOTE:** In order to be eligible to attend this track, your institution must be an AWS Academy member.

### Workshop Overview:

Cloud Computing Architecture is an AWS Academy curriculum designed to help students develop technical expertise in cloud computing and prepare them for the AWS Certified Solutions Architect – Associate certification exam. The curriculum is delivered through instructor-led classes, knowledge assessments, hands-on labs, and project work. Students have access to course manuals, online knowledge assessments, hands-on labs, a free practice certification exam, and a discount voucher for the certification exam.



**Instructor/Trainer:** Chris (CJ) Jones, AWS Academy Technical Program Manager

Chris started his AWS career in January of 2016 inside of the Dallas AWS Premium Support center as a Windows Support Engineer where he quickly became engaged with improving our customer experience. After some months as a mentor and trainer within the Support group, he decided to follow a call back to his academic days and to join the AWS World Wide Public Sector Education team as a Professional Services Advisory consultant. It was during his time as an Advisory consultant that he became further enthralled with developing training and certification plans for customers.

Focusing on training and certification ultimately lead him to the opportunity to join the AWS Academy team.

**Workshop Objectives:** At the completion of this track, the participants will be able to...

- Identify the value and benefits of cloud computing and AWS
- Understand methods and tools to maintain security and protect data
- Explain the financial advantages of the AWS cloud
- Navigate the AWS Management Console
- Differentiate between AWS storage options
- Understand AWS compute and networking options
- Describe and use AWS database options
- Identify deployment and management options
- Make decisions based on recommended architectural principles and best practices
- Create a cloud migration roadmap and plan
- Use AWS to make infrastructure scalable
- Create a business continuity plan and achieve high availability
- Create event-driven scaling
- Automate the deployment of cloud resources
- Design architectures to decouple infrastructure and reduce interdependencies
- Optimize data storage for static content
- Identify best practices prescribed in the Well-Architected framework
- Identify and solve common configuration and design issues
- Differentiate between architectures for data processing and analytics, mobile back-ends, and video transcoding
- Understand the AWS Certified Solutions Architect – Associate exam structure and questions