WASTC 2020 Faculty Development Weeks

Database Essentials in Amazon Web Services

Dates: In Person, June 8-12, 2020, Cabrillo College, Aptos CA
Times: 9:30 AM – 11:30 AM and 2:30 PM – 4:30 PM PST Lecture / Lab
    12:30 PM – 1:30 PM and 4:30 PM – 5:00 PM PST Open Office Hours

Target Audience: This course is for you if you are …
- College/university faculty who teach Database Administration and/or Development
- A Cloud Workforce Consortium Members

Workshop Overview:
This course addresses cloud database management which supports a number of different approaches for storing data. In the course, students define, operate and scale both SQL and noSQL data storage solutions. This course considers factors that should be balanced during the design of a storage solution. Principles are applied by performing exercises using Amazon RDS and SQL to create and fill tables, retrieve and manipulate data. Object-based APIs are used to serialize objects to Amazon DynamoDB for noSQL solutions. Topics include automated backups, transaction logs, restoration and retention.

Workshop Participants will receive an entire LMS Course cartridge complete with presentations, activities, labs, videos and assessments. Participants will create an AWS free tier account and an AWS Educate account.

Instructor: Munir Samplewala. Munir started his career teaching at university, went to industry and has circled back to teaching at colleges. Munir worked for Software companies such as Sybase, Informix, Illustra, Sun Microsystems and in between worked as an independent consultant. Munir has been teaching at LACC (Los Angeles City College) as a fulltimer for the last 15 years. Munir been part of LA High Tech for Full Stack Web Application and Cloud Computing. For both, he was also involved as Train the Trainer and has taught student cohorts leading to internship and jobs. Munir has worked with SMC and LAMC on course development, teaching courses and have been actively involved with the Strong Work Force teams. I am a graduate of CMU (Carnegie-Mellon University) and am an active member of Self-Realization Fellowship (SRF).

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