# **Cloud Computing Courses**



# **AMAZON WEB SERVICES (AWS)**

#### **Foundations**

- AWS Technical Essentials
- AWS Cloud Practitioner Essentials
- AWS Cloud Essentials for Business Leaders
- AWS Cloud Essentials for Business Leaders—Financial Services

PARTNER

- Generative AI for Executives
- Generative AI Essentials on AWS

#### Architect

- Architecting on AWS
- AWS Well-Architected Best Practices
- Advanced Architecting on AWS
- Advanced AWS Well-Architected Best Practices

#### **Containers**

• Running Containers on Amazon Elastic Kubernetes Service

## Cost Management

• AWS Cloud Financial Management for Builders

## **Data Analytics**

- Building Data Lakes on AWS
- Building Batch Data Analytics Solutions on AWS
- Building Data Analytics Solutions Using Amazon Redshift
- Building Streaming Data Analytics Solutions on AWS
- Data Warehousing on AWS

#### **Databases**

- Planning and Designing Databases on AWS
- Build Modern Applications with AWS NoSQL Databases

#### Developer

Developing on AWS

## **DevOps Engineer**

DevOps Engineering on AWS

## **Machine Learning**

- MLOps Engineering on AWS
- Practical Data Science with Amazon SageMaker
- Amazon SageMaker Studio for Data Scientists
- Developing Generative AI Applications on AWS

# Migrate and Transfer

- AWS Migration Essentials
- · Migrating to AWS

#### **Networking and Content Delivery**

Networking Essentials for Cloud Applications on AWS

#### **Operations**

• Cloud Operations on AWS

#### Security

- AWS Security Essentials
- AWS Security Best Practices
- AWS Security Governance at Scale
- Security Engineering on AWS

#### Serverless

• Developing Serverless Solutions on AWS

#### Storage

Designing and Implementing Storage on AWS

# **AZURE (MICROSOFT AZURE)**

Microsoft Azure Fundamentals Microsoft Azure Administrator Microsoft Azure Architect Technologies

#### **DATABRICKS**

#### **Business**

Get Started with Databricks for Business Leaders

# **Data Analysis and SQL**

- Data Analysis with Databricks
- Data Analytics and Warehousing with Databricks SQL

#### Data Engineering

- Get Started with Databricks for Data Engineering
- Data Engineering with Databricks
- Data Management and Governance with Unity Catalog
- Build Data Pipelines with Delta Live Tables
- Data Ingestion to Delta Lake
- Deploy Workloads with Databricks Workflows
- Intro to Python for Data Science and Data Engineering
- Databricks Performance Optimization
- Databricks Streaming and Delta Live Tables
- Advanced Data Engineering with Databricks
- Get Started with Databricks Platform Administration
- Databricks Data Privacy
- Databricks DevOps for Pipelines

## Generative AI

- Generative AI Application Deployment and Monitoring
- Generative AI Application Development
- Generative AI Application Evaluation and Governance
- Generative AI Engineering with Databricks
- Generative AI Solution Development

#### Machine Learning and AI

- Get Started with Machine Learning on Databricks
- Machine Learning with Databricks
- Machine Learning in Production
- Machine Learning Model Deployment
- Machine Learning Model Development
- Machine Learning Operations
- Data Preparation for Machine Learning
- Scalable Machine Learning with Apache Spark
- Deep Learning with Databricks

# **Programming and Apache Spark**

- Optimizing Apache Spark on Databricks
- Apache Spark Programming with Databricks

# **Cloud Computing Courses**



# **GOOGLE CLOUD**



#### **Foundations**

- Google Cloud Fundamentals: Core Infrastructure
- Getting Started with Google Kubernetes Engine
- Getting Started with Terraform for Google Cloud
- · Introduction to AI and Machine Learning on Google Cloud
- Introduction to Data Engineering on Google Cloud

#### Apigee and API Management

- Developing APIs with Google Cloud's Apigee API Platform
- Managing Google Cloud's Apigee API Platform for Hybrid Cloud
- Installing and Managing Google Cloud's Apigee API Platform
- Building Solutions with Apigee X

# **Application Modernization**

- Developing Applications with Google Cloud Platform
- Application Development with Cloud Run
- Developing Applications with Cloud Functions on Google Cloud
- Professional Cloud Developer Certification Workshop
- Professional Cloud DevOps Engineer Certification Workshop
- Understanding Cloud Spanner
- Day 2 Operations on Google Cloud

#### **Cloud Infrastructure**

- Architecting with Google Compute Engine
- Architecting with Google Cloud: Design and Process
- Logging, Monitoring, and Observability in Google Cloud
- Google Cloud Infrastructure for AWS Professionals
- Associate Cloud Engineer Certification Workshop
- Professional Cloud Architect Certification Workshop

#### **Data Engineering and Analytics**

- Introduction to Data Analytics on Google Cloud
- From Data to Insights with Google Cloud Platform
- BigQuery for Data Analysts
- Data Engineering on Google Cloud
- Serverless Data Processing with Dataflow
- Enterprise Database Migration
- Data Warehousing with BigQuery
- Data Integration with Cloud Data Fusion
- Migrating to BigQuery (<u>Athena</u>, <u>Redshift</u>, <u>Snowflake</u>, <u>Teradata</u>)
- Managing a Dash Mesh with Dataplex
- Orchestrate BigQuery Workloads with Dataform
- Workflow Orchestration for Cloud Composer
- Professional Data Engineer Certification Workshop

#### Generative Al

- Introduction to GenAl for Decision Makers
- Empower Decision Makers with Generative AI
- Industry Use Cases for Generative AI
- Generative AI Explorer
- Introduction to Responsible AI in Practice
- Vertex Al Agent Builder
- Application Development with LLMs on Google Cloud
- Introduction to Developer Efficiency with Gemini on Google Cloud
- Generative AI in Production

#### Google Cloud for Business

- Cloud Digital Leader
- Data-Driven Transformation with Google Cloud
- Leading Change When Moving to Google Cloud
- Managing Machine Learning Projects with Google Cloud
- Getting Started with FinOps on Google Cloud
- · Technical Foundations of FinOps on Google Cloud
- Gemini for Google Workspace

#### Kubernetes, Hybrid, and Multi-Cloud

Architecting with Google Kubernetes Engine

# Looker and Looker Studio

- Analyzing and Visualizing Data in Looker
- Developing Data Models with LookML
- Looker Developer Deep Dive
- Introduction to Looker Studio Pro
- Become a Looker Studio Pro Power User

#### Machine Learning and Artificial Intelligence

- Machine Learning on Google Cloud Platform
- Vertex AI for Machine Learning Practitioners
- Professional Machine Learning Engineer Certification Workshop
- Developing Conversational Agents on Google Cloud

# **Networking and Security**

- · Networking in Google Cloud
- Security in Google Cloud
- Professional Cloud Security Engineer Certification Workshop
- Professional Cloud Network Engineer Certification Workshop

# **Cloud Computing—Vendor Agnostic**

# **CLOUD—VENDOR AGNOSTIC**

758: Journey to the Cloud

788: DevOps Foundations

815: Hands-On Terraform 830: DevOps Essentials

832: DevSecOps Foundations

835: Cloud-Native Development

835CE: Cloud Foundational Engineer Bootcamp

838: Architecting Systems in the Cloud

960: Hands-On Kubernetes

961: Certified Kubernetes Application Developer (CKAD)

962: Certified Kubernetes Administrator

975: SRE Essentials

980: Hands-On Ansible

# **GENERATIVE AI —VENDOR AGNOSTIC**

930: Introduction to Generative AI

931: Introduction to Building Generative AI Applications

932: Building Generative AI Chatbot Applications

933: Building Generative AI Search Applications

934: Establishing a Generative Al-enabled Developer Workflow

938: Architecting and Implementing Generative AI Solutions in the Cloud

935: Advanced Hands-On Generative AI Workshop

936: Generative AI Tools to Improve Productivity

937: Hands-On Generative AI: Tools and Techniques

939: Generative AI for Developers

# **Technology and Management Courses**



# AGILE AND TEST-DRIVEN DEVELOPMENT

312: Agile/Scrum Fundamentals for Managers

344: Agile Testing Methods for Developers and Testers

371: Certified ScrumMaster

372: Certified Scrum Product Owner

375: Scrum Essentials with Kanban

# **BIG DATA AND MACHINE LEARNING**

401: Big Data Essentials for Managers and Non-Programmers

433: Analyzing Big Data Using Hadoop, Hive, Spark, and HBase

441: Introduction to NoSQL Databases

449: Spark for Big Data Processing

450: Learning Apache Kafka

452: PySpark Essentials

592: Data Science with Python

805: Introduction to Machine Learning

811: Machine Learning Concepts

## **BUSINESS ANALYSIS**

103: Roles, Responsibilities, and Processes of the Business Analyst

108: Analyzing and Documenting Business Processes

109: Advanced Business Analysis

110: The Agile Business Analyst

115: Advanced Requirements Elicitation Techniques

302: Developing Quality Requirements

# ITIL® AND IT SERVICE MANAGEMENT

ITIL® 4 Foundations

ITIL® 4 Leadership Digital and IT Strategy

ITIL® 4 Foundation with ITSM Simulation

ITIL® 4 Strategist: Direct, Plan, and Improve

ITIL® 4 Specialist: Create, Deliver, and Support

ITIL® 4 Specialist: Drive Stakeholder Value

# **JAVA**

430: Programming Java

443: Mastering Test-Driven Development Using JUnit

445: Mastering the Spring Framework and Hibernate

472: Java Best Practices and Design Patterns

499: Oracle Certified Professional: Java SE 11 Developer Certification Prep

## LEADERSHIP AND MANAGEMENT SKILLS

139: Managerial Leadership

145: Advanced Management and Leadership Techniques

153: Creating and Managing Successful Teams

155: Effective Business Communications and Negotiations

157: Influence Skills

158: Creative Problem Solving

159: Negotiation Skills

166: Interpersonal Communications and Conflict Management Skills

168: Leading Change

169: Motivating People

188: Coaching: Foundations for Success

# ORACLE AND SQL SERVER DATABASES

508: SQL Essentials (Available on Oracle, Microsoft SQL Server, IBM DB2, MySQL) 720G: PostgreSQL, Cloud SQL, and AlloyDB Administration and Migration

# **PROJECT MANAGEMENT**

147: Managing Project Risks

150: Project Management Essentials

151: Introduction to Project Management Essentials in a Remote World

152: Project Estimation

164: Advanced Project Management Simulation

172: Effective Project Leadership

179: Project Management Professional (PMP)® Boot Camp

180: Preparing the Business Case

309: Software Project Management

348: Agile Project Management

# **PYTHON**

589: Python Programming Essentials

593: Python Beyond the Basics

595: Advanced Python Programming

5897: Python Pytest for Non-Programmers

5898: Python Pytest for Programmers

### **SECURITY**

491: Web and Mobile Application Security

754: Web Security Foundations

756: Practical Security and Cryptography

# **SOFTWARE ANALYSIS AND DESIGN**

315: Introduction to Design Thinking

400: Thinking Like a Programmer

424: User Experience Design Best Practices

# **SOFTWARE ENGINEERING**

302: Developing Quality Requirements

305: Software Configuration Management

306: Effective Software Testing Methods

309: Software Project Management

400: Thinking Like a Programmer

#### **UNIX** AND **LINUX**

601: Introduction to Linux

619: Introduction to UNIX

# **WEB AND MOBILE APPLICATIONS**

489: Building Single-Page Web Applications with React

490: Building Single-Page Applications with Angular

492: Modern Web Development and Progressive Web Applications

493: Building Advanced Web Applications with React and Next.js