Serverless
Immersion Day

This workshop includes hands-on labs on the main topics covered.

What is the Serverless Immersion Day?

The Serverless Immersion Day is a standardized SA Customer Engagement that evolved from the AWS Wild Rydes Workshops.

Participants are introduced to several of our serverless AWS services and then get hands-on and add features to a website for the Wild Rydes company. At the end of the day, participants should have a good understanding of all relevant services and be enabled to develop own applications using services such as AWS Lambda, Amazon API Gateway, Amazon DynamoDB, AWS Step Functions, Amazon Kinesis, and other services.

Benefits of the Serverless Immersion Day

The main idea of a Serverless Immersion Day is to inspire development teams to think outside the box, get hands-on with AWS Lambda, and spread the idea of serverless applications inside the organization. Serverless Immersion Days help to shift the focus from traditional server-based setup using AWS foundation services to more sophisticated and higher level managed services.
Feedback from AWS account teams also revealed that Serverless Immersion Days help to increase the number of technical contacts within a customer, establish relationships and earn trust of the development teams, and increase the customer's confidence successfully realize projects with new technologies.

Modules | Wild Rydes

0- Introduction
Introduction to the Wild Rydes workshop.

1- Web Application
You will host static web resources with Amazon S3, use Amazon Cognito to manage users and authentication, build a RESTful API for backend processing, and more...

2- Authorization
You will learn sign-up and sign-in functionality for your application, how to secure serverless microservices, how to leverage AWS's identity and access, management (IAM), and more...

3 - Data Processing
You will learn how to build real-time streaming applications using Amazon Kinesis Data Streams and Amazon Kinesis Data Analytics, how to archive data streams using Amazon Kinesis Data Firehose and Amazon S3, how to run ad-hoc queries on those files using Amazon Athena, and more...

4 - DevOps
You will learn how to use SAM from your workstation to release updates to your application, how to build a CI/CD pipeline for your serverless application using AWS CodePipeline and AWS CodeBuild, how to enhance your pipeline to manage multiple environments for your application, and more...

5 - Image Processing
You will use AWS Step Functions to orchestrate multiple AWS Lambda functions, leverage the deep learning-based facial recognition features of Amazon Rekogntion, and more...

6 - Multi-Region
You will learn the basics of deploying AWS Lambda functions, exposing AWS Lambda functions via API Gateway, configuring replication using Route53 and DynamoDB streams, and more...

7 - Security
You will learn AWS services and features you can leverage to improve the security of a serverless applications, and more...

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