

The background features a vibrant blue gradient with subtle, wavy horizontal lines. In the bottom right corner, there are abstract, flowing shapes in shades of purple, pink, and orange, creating a modern and dynamic feel.

aws SUMMIT

INDIA | MAY 25, 2023

GS AWS 008

From thought to experiment - Accelerating innovation through the use of serverless technologies

Mike Rocha (he/him)
Senior Solutions Architect
AWS India

Ankush Agarwal (he/him)
Associate Solutions Architect
AWS India



Agenda

- What is serverless?
- Why are customers adopting a serverless-first strategy?
- What are the serverless capabilities on AWS?
- Demo

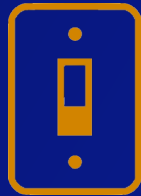
What is serverless?



No server provisioning
or management



Automatic scaling

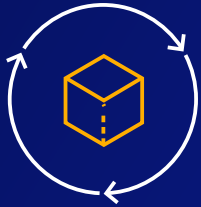


Pay for value



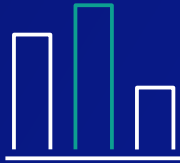
Highly available and secure

Serverless is about innovation



Increased agility

New extensions,
OCI, and tooling



Excellent performance

10 GB memory,
provisioned concurrency



High value

1 millisecond billing,
Savings Plans



A complete portfolio

Comprehensive suite
of services

Serverless is more than just compute

COMPUTE



AWS
Lambda



AWS
Fargate

DATA STORES



Amazon
S3



Amazon Aurora
Serverless



Amazon
DynamoDB

INTEGRATION



Amazon
EventBridge



Amazon
API Gateway



Amazon
SQS



Amazon
SNS



AWS
Step Functions

AWS operational responsibility models



Compute

- Virtual machine
- Amazon EC2
- AWS Elastic Beanstalk
- Fargate
- Lambda

Databases

- MySQL
- MySQL on Amazon EC2
- Amazon RDS for MySQL
- Amazon RDS
- Amazon Aurora
- DynamoDB

Storage

- Storage
- S3

Messaging

- ESBs
- Amazon MQ
- Amazon Kinesis
- EventBridge/SQS/SNS

Analytics

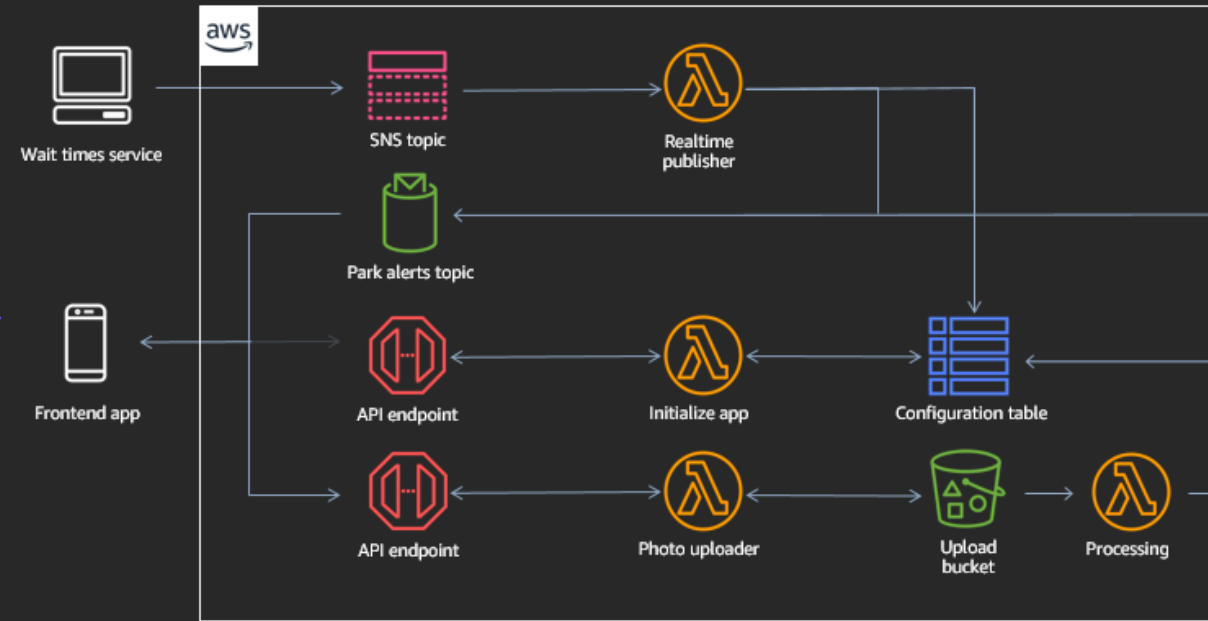
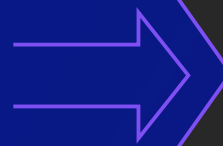
- Hadoop
- Hadoop on EC2
- EMR
- Amazon OpenSearch Service
- Amazon Athena



TODAY: 80% OF DEVELOPER TIME IS OPERATIONS AND MAINTENANCE*

In the future, the **only code you write**
is business logic

Small pieces, loosely joined



Traditional three-tier application architecture



Web servers

Presentation layers



Application
servers

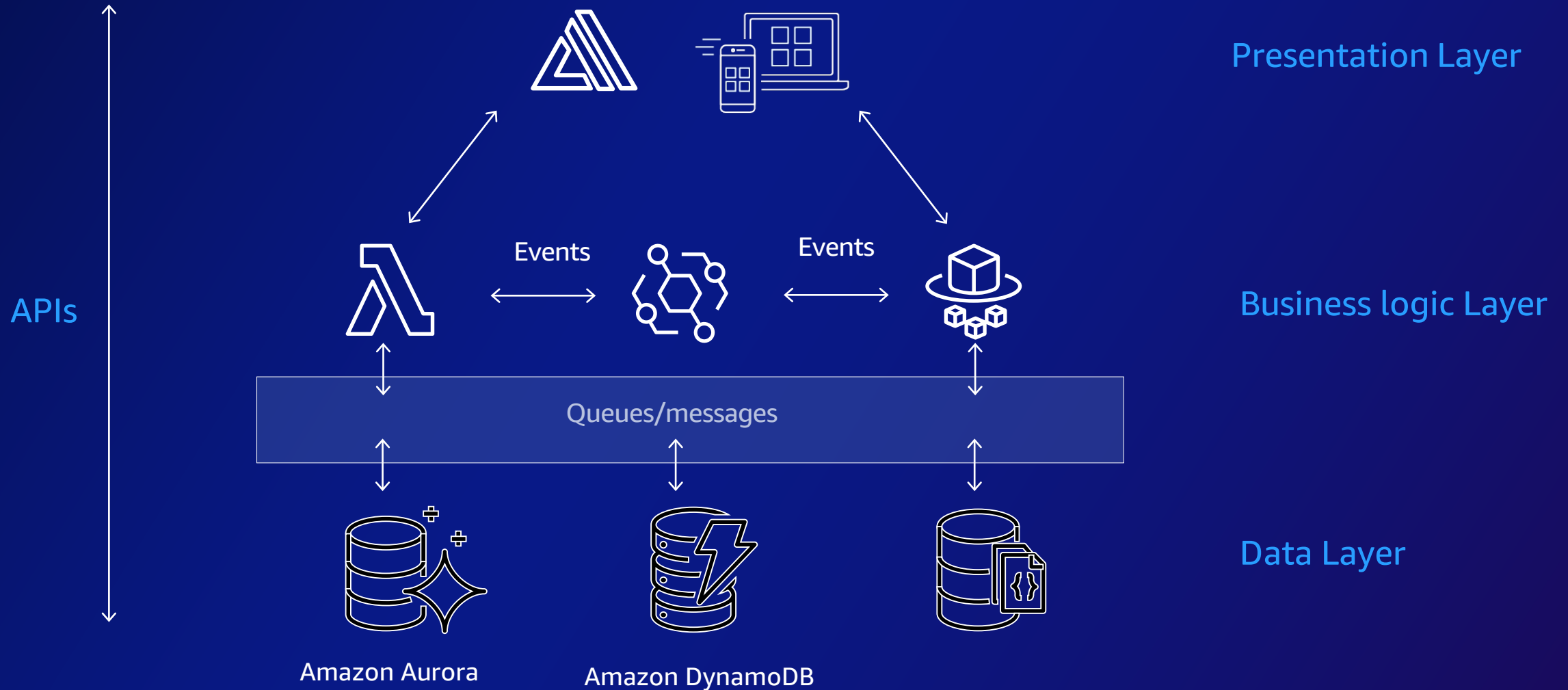
Business logic



Database servers

Data layer

A modern three-tier application architecture



AWS Serverless Application Model (SAM)

SAM CLI



Serverless Toolbox

- Development
- Debugging
- Build
- Packaging
- Deployment
- ..and more!

SAM Template



CloudFormation extension
optimized for serverless

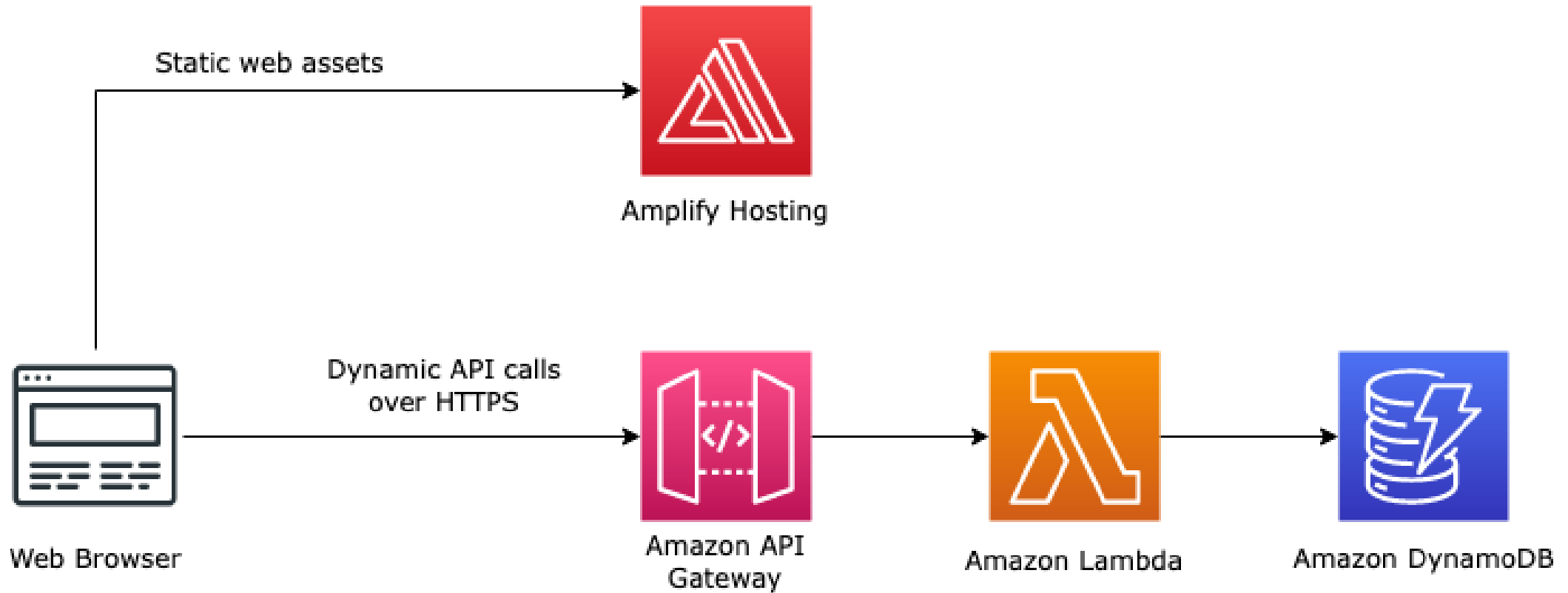
Shorthand syntax to express
serverless pattern

Model with YAML

Demo



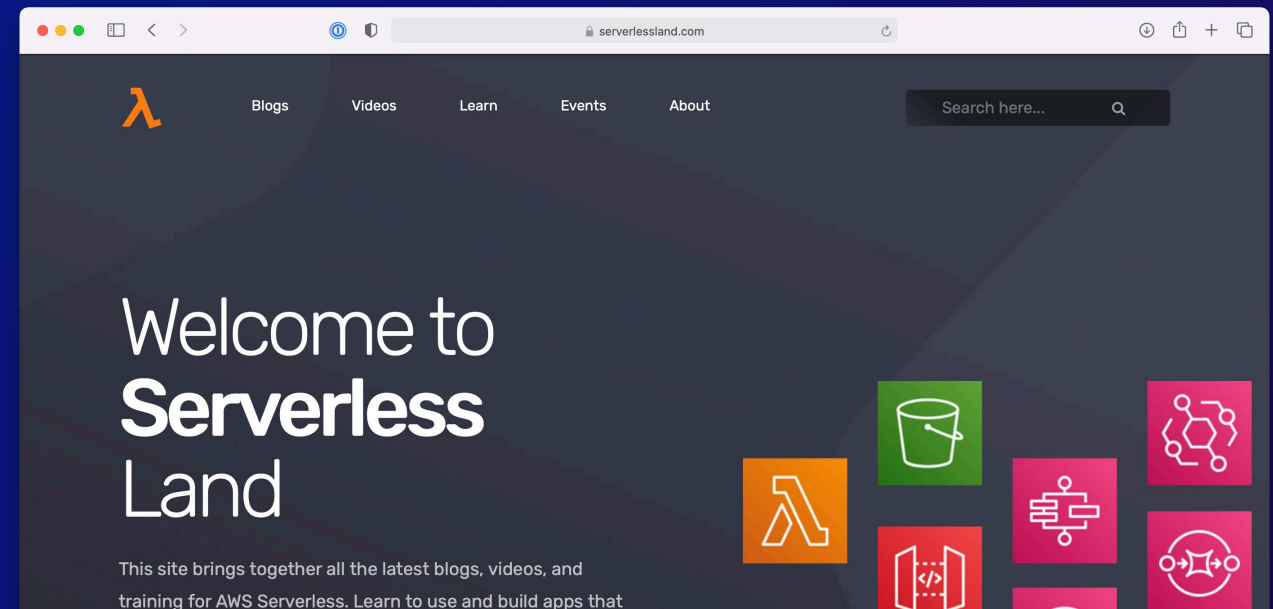
Demo application



- Embed Demo Here.

Want to dive deeper?

- Contact your AWS account team to discuss:
 - Serverless Immersion Day / Workshops
 - Serverless Well-Architected Review
 - Customized deep dives on technical topics
- Visit serverlessland.com



Continue your AWS serverless learning

Learn at your
own pace



Expand your serverless skills with our Learning Plan on **AWS Skill Builder**

Increase your
knowledge



Use our **Ramp-Up Guides** to build your Serverless knowledge

Earn AWS
serverless badge



Demonstrate your knowledge by achieving **digital badges**



<https://s12d.com/serverless-learning>

skillbuilder.aws 

Your time is now

Build in-demand cloud skills *your way*



© 2023, Amazon Web Services, Inc. or its affiliates. All rights reserved.

Thank you!

Mike Rocha
Senior Solutions Architect
AWS India

Ankush Agarwal
Associate Solutions Architect
AWS India



Please complete the
session survey