

The background features a vibrant, multi-colored gradient. It starts with a dark blue on the left, transitions through purple and magenta, and then into bright orange and yellow towards the right. A diagonal line separates the darker blue on the left from the lighter colors on the right.

AWS
re:Invent

SVS201-R

Build a serverless web app for a theme park

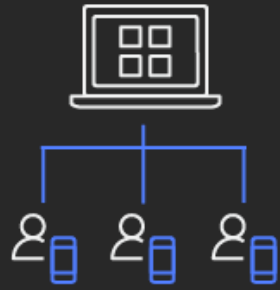
James Beswick

Senior Developer Advocate
AWS Serverless
Amazon Web Services

Julian Wood

Senior Developer Advocate
AWS Serverless
Amazon Web Services

Agenda



The workshop environment



The modules and services used



Coding

General housekeeping

- Running time is 2 hours, 15 minutes
- AWS account will be provided. Please use the access code.
- This account is temporary
- Questions? We are here to help!

Prerequisites

- Workshop cannot be completed with a tablet
- Compatible with Chrome/Firefox (not Safari)
- Familiarity with the AWS Management Console

The AWS services you will be using today

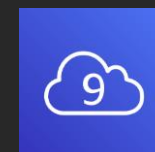
Developer tools



AWS Amplify



AWS CodeCommit



AWS Cloud9

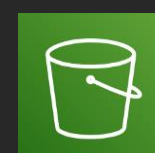
Backend services



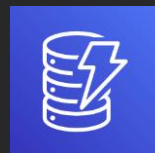
AWS
Lambda



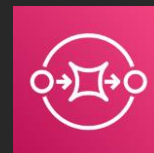
Amazon API
Gateway



Amazon Simple
Storage Service
(Amazon S3)



Amazon
DynamoDB



Amazon Simple
Notification Service
(Amazon SNS)



AWS IoT Core

AWS Cloud9



- Fully featured cloud-based IDE
- Integrated tools for serverless development
- Built-in terminal and temp space
- Provisioned bandwidth in AWS network (not dependent on Wi-Fi)
- This workshop is 100% browser-based. Please do not use your local IDE or terminal



Setting up *AWS Cloud9*
<http://rebrand.ly/c9setup>

Welcome to Innovator Island



JOHN WYLD'S

INNOVATOR ISLAND

ISLA SANSERVER

Today's adventure

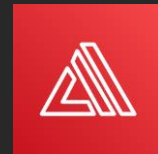


- **Module 1: Set up the app**
 - Deploy the frontend and backend applications
- **Module 2: Ride wait times**
 - Integrate your app with the ride systems so guests can see wait times
- **Module 3: Ride photos**
 - Build a photo-processing flow so guests can take selfies around the park
- **Module 4: Bonus—Translation**
 - Help international guests understand the app by adding language translation

Module 1: Deploy the frontend/backend



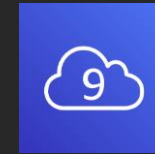
Frontend



Amplify

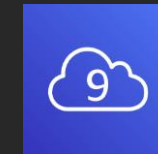


CodeCommit



AWS Cloud9

Backend



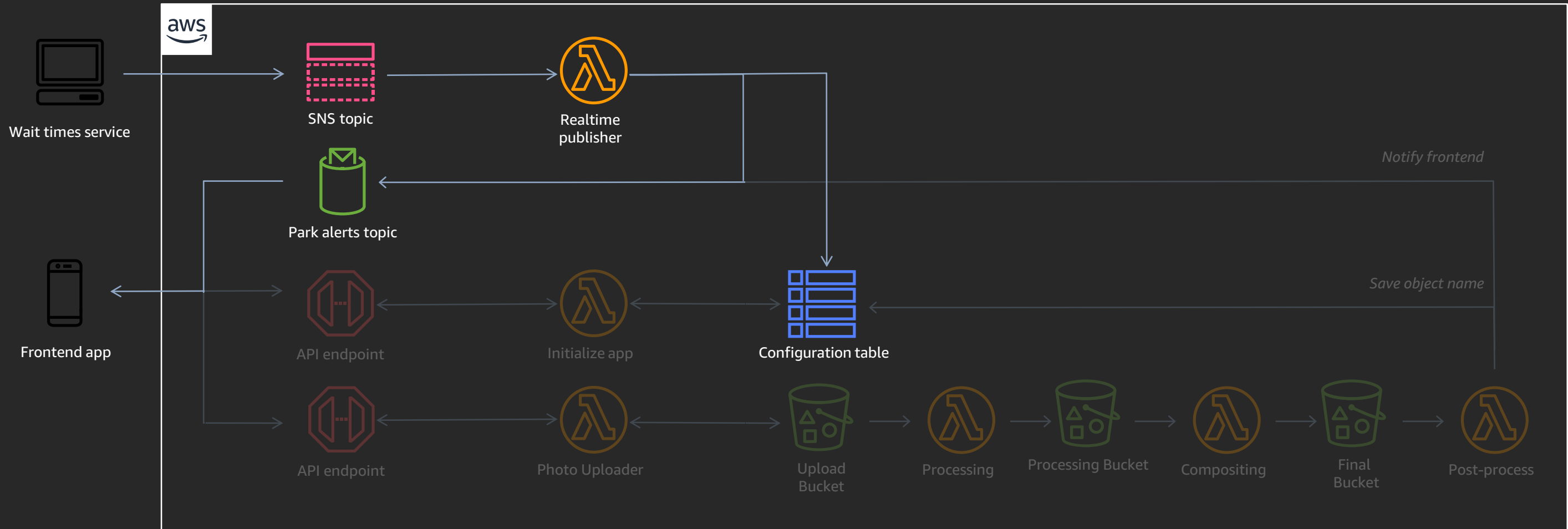
AWS Cloud9

Today's adventure



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Module 2: Ride wait times

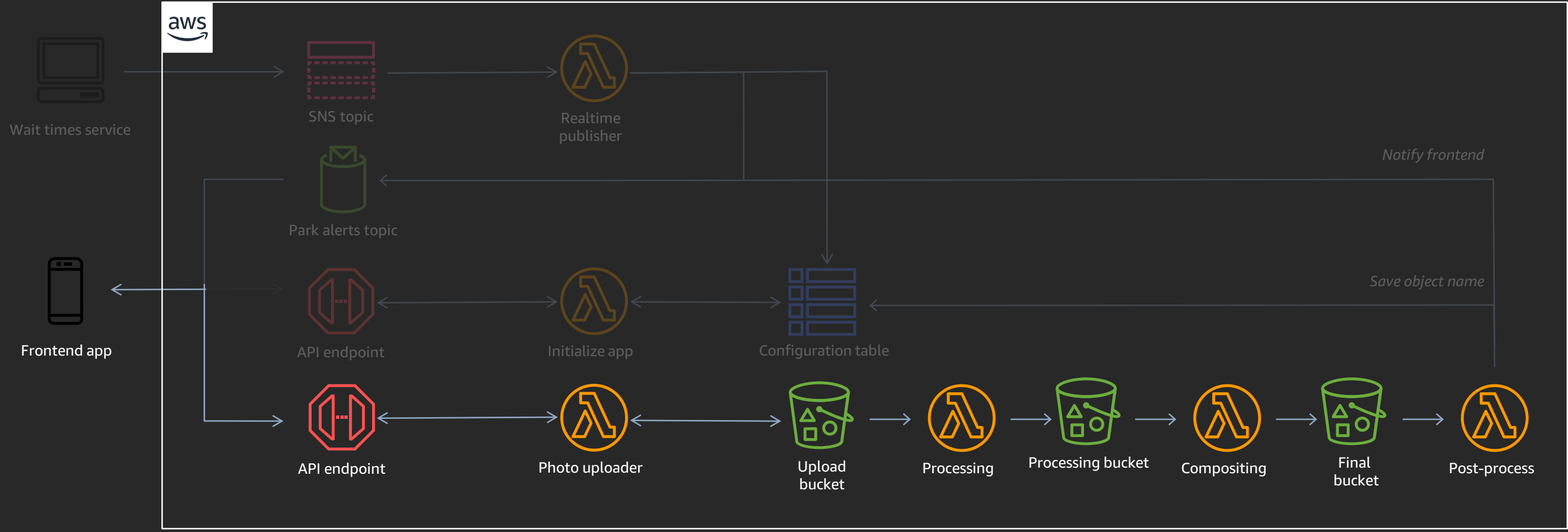


Today's adventure



- **Module 1: Set up the app**
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Module 3: Ride photos



Today's adventure



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Start your adventure at
<http://rebrand.ly/innovatorisland>



#InnovatorIsland

Related breakouts

SVS203 Build a serverless ride-sharing web application

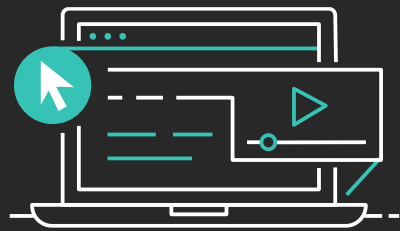
SVS301 Build a CI/CD pipeline for serverless applications

SVS305 How to secure your serverless APIs

SVS315 Serverless AI inference with AWS Lambda

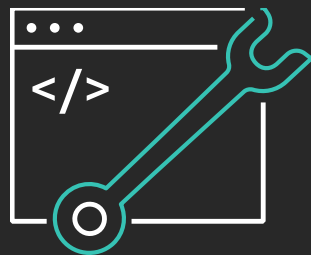
Learn serverless with AWS Training and Certification

Resources created by the experts at AWS to help you learn modern application development



Free, on-demand courses on serverless, including

- Introduction to Serverless Development
- Getting into the Serverless Mindset
- AWS Lambda Foundations
- Amazon API Gateway for Serverless Applications
- Amazon DynamoDB for Serverless Architectures



Additional digital and classroom trainings cover modern application development and computing

Visit the Learning Library at <https://aws.training>

Thank you!

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Please complete the session survey in the mobile app.