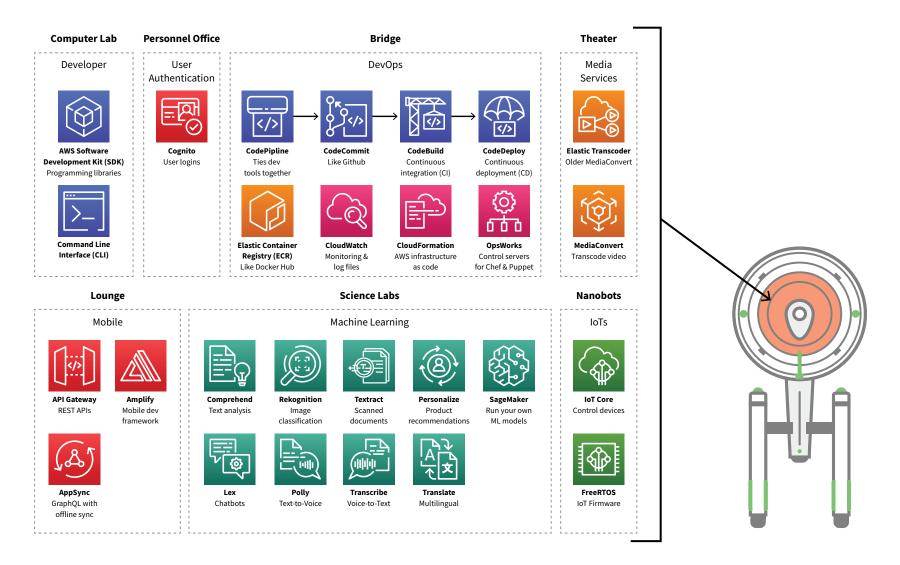
# **AWS Essential Training for Developers**

with Jeremy Villeneuve



# Software as a Service (SaaS)

# Upper decks of the starship.



#### **Transporter Rooms**

## Code Platforms



**Elastic Beanstalk** 



Lightsail Single app platform Traditional web host



**Elastic Container** Service (ECS) Thumbdrive containers



Lamba Just the code No thumbdrive

#### **Hydroponics, Food Processing**

## Batch Processing & Workflows



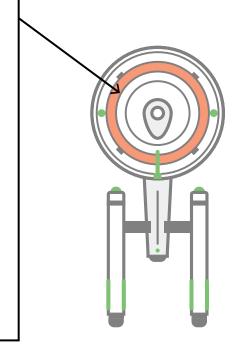




**Step Functions** Multi-step workflows



Service (SWF) More complex than step functions



#### **Ship's Computer Core**

#### Databases



Database Migration Service Syncs On-Prem &



AWS Databases



DynamoDB NoSQL Key-Value

Lightsail

**Elastic Container** Traditional web host Service (ECS) Thumbdrive



DocumentDB ElastiCache Managed MongoDB Redis (Scratchpad)

containers

# Ship's Library Big Data



Redshift Big Data Stacks of books





Athena SQL queries on big S3 text files

## **Shuttle Bay**

## **Messaging Queues**



Real-time data streaming

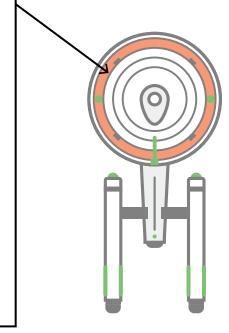


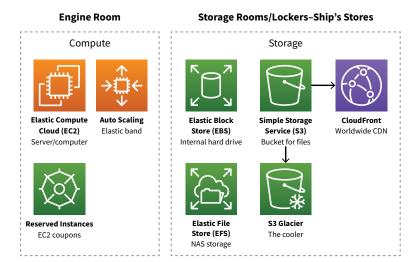
Simple Queue Service (SQS) Workers process tasks



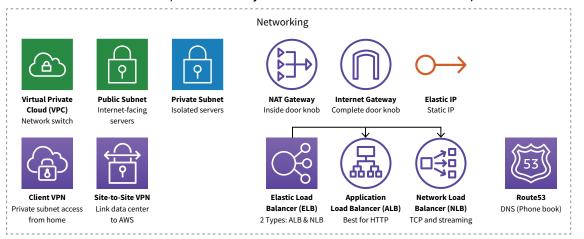
Simple Notification Service (SNS)

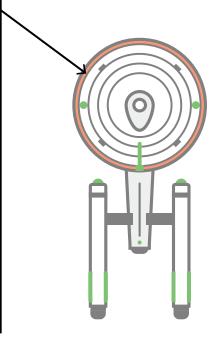
Email, SMS, Push notif., Webhook





#### Communications/Radio Room—Maybe Connects to a Satellite Dish on the Outside)





#### Shields

Inspector

CloudTrail

GuardDuty

Night watchguard

**Security Hub** 

Security dashboard

