

Migrate & Modernize



Application Modernization

From Monolith to Microservices

Overview



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Migrate & Modernize

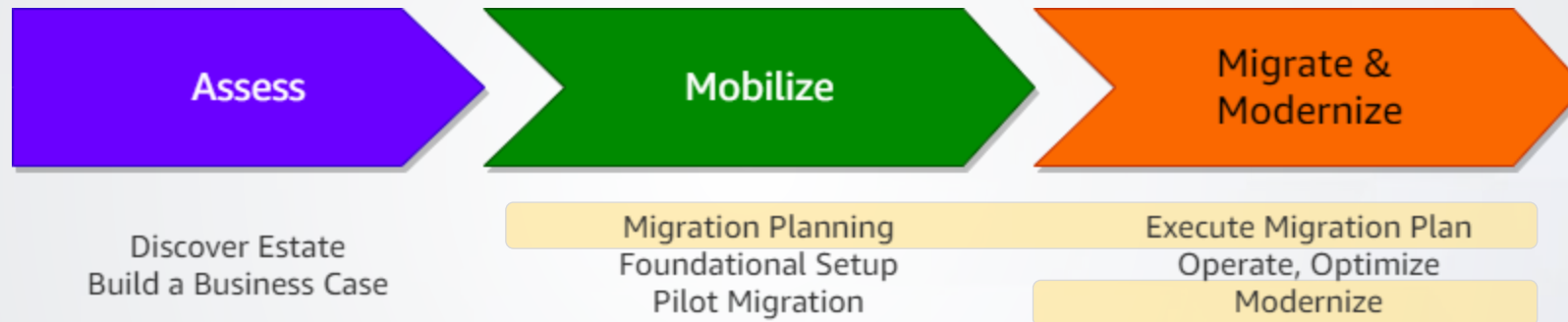
Application Modernization

AGENDA

1. Context & Overview
2. Monolith Architecture
3. Façade Pattern
4. Strangler Pattern

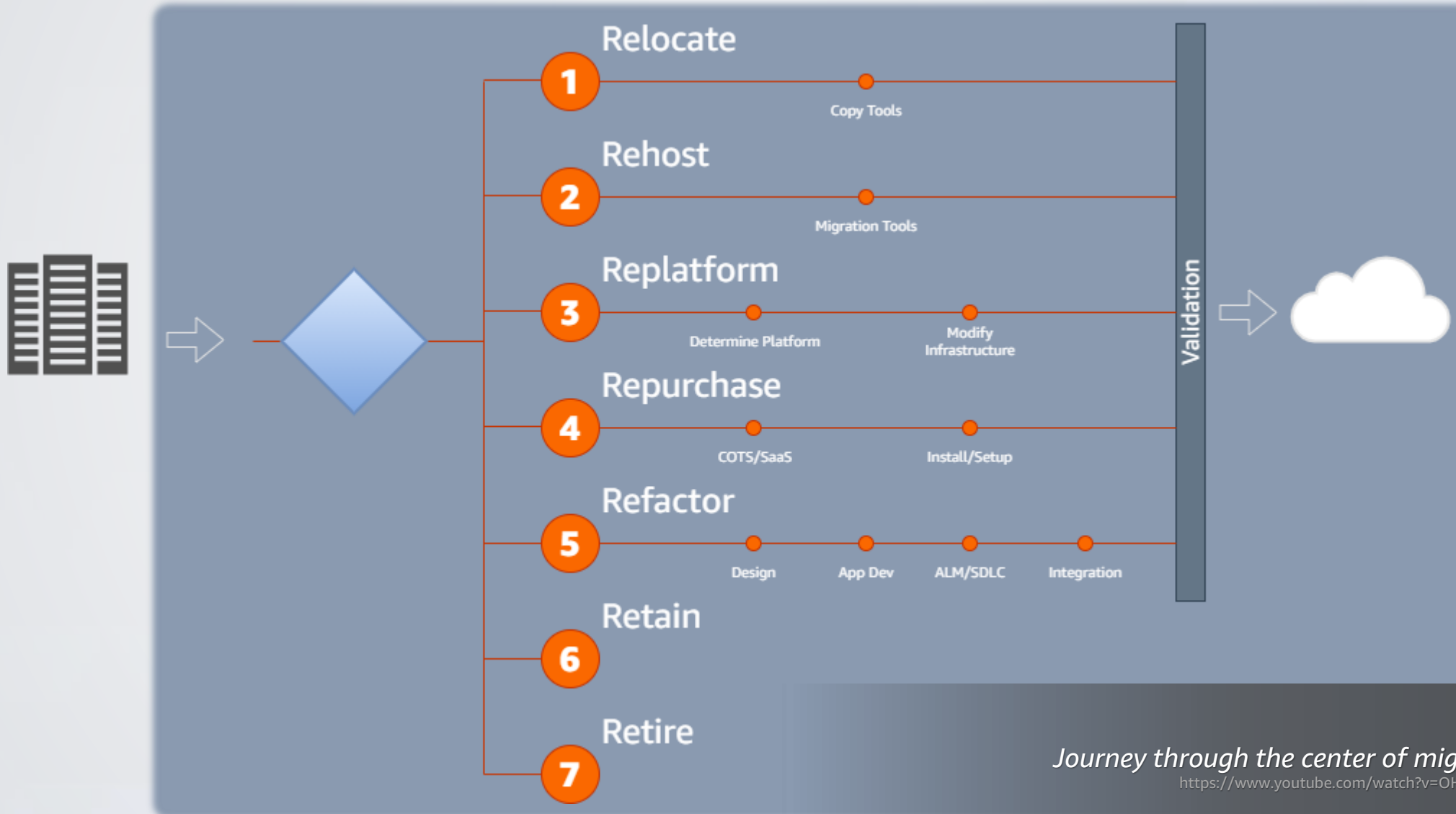
Application Modernization: Context

Cloud Migration Journey



Application Modernization: Context

Cloud Migration Strategies



Journey through the center of migrations

https://www.youtube.com/watch?v=OHE5_WihOxg



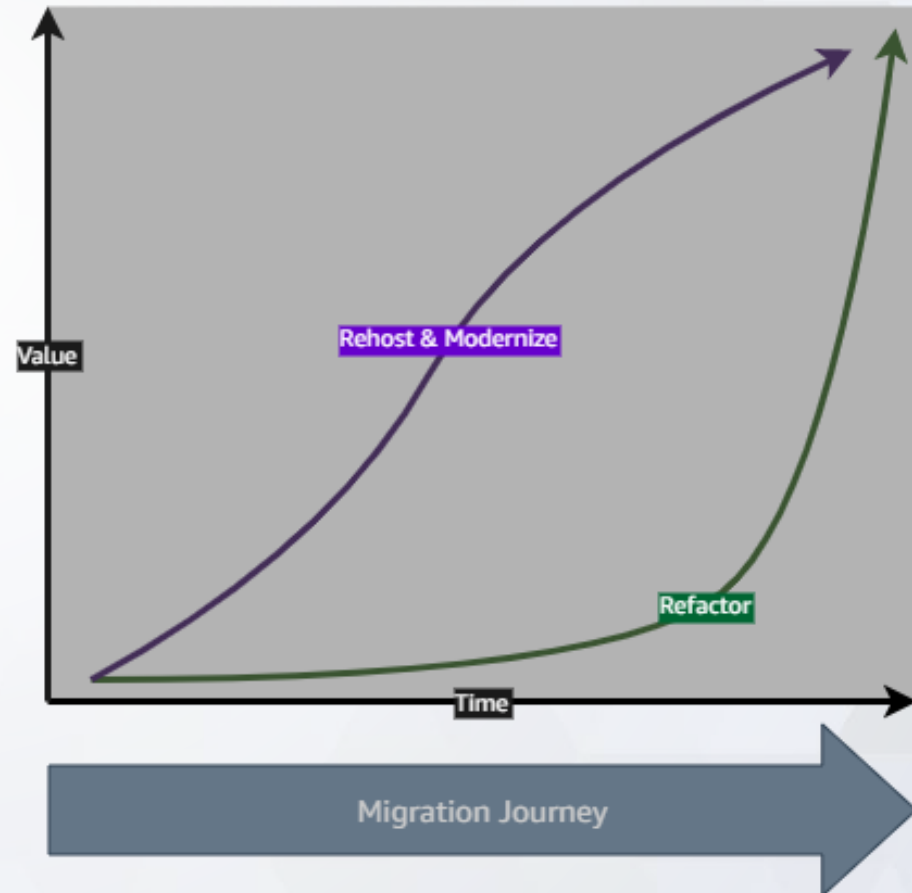
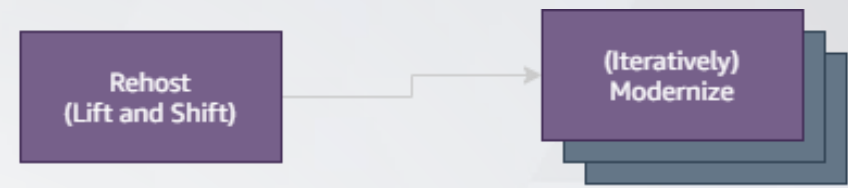
Application Modernization Overview

Alternate approaches

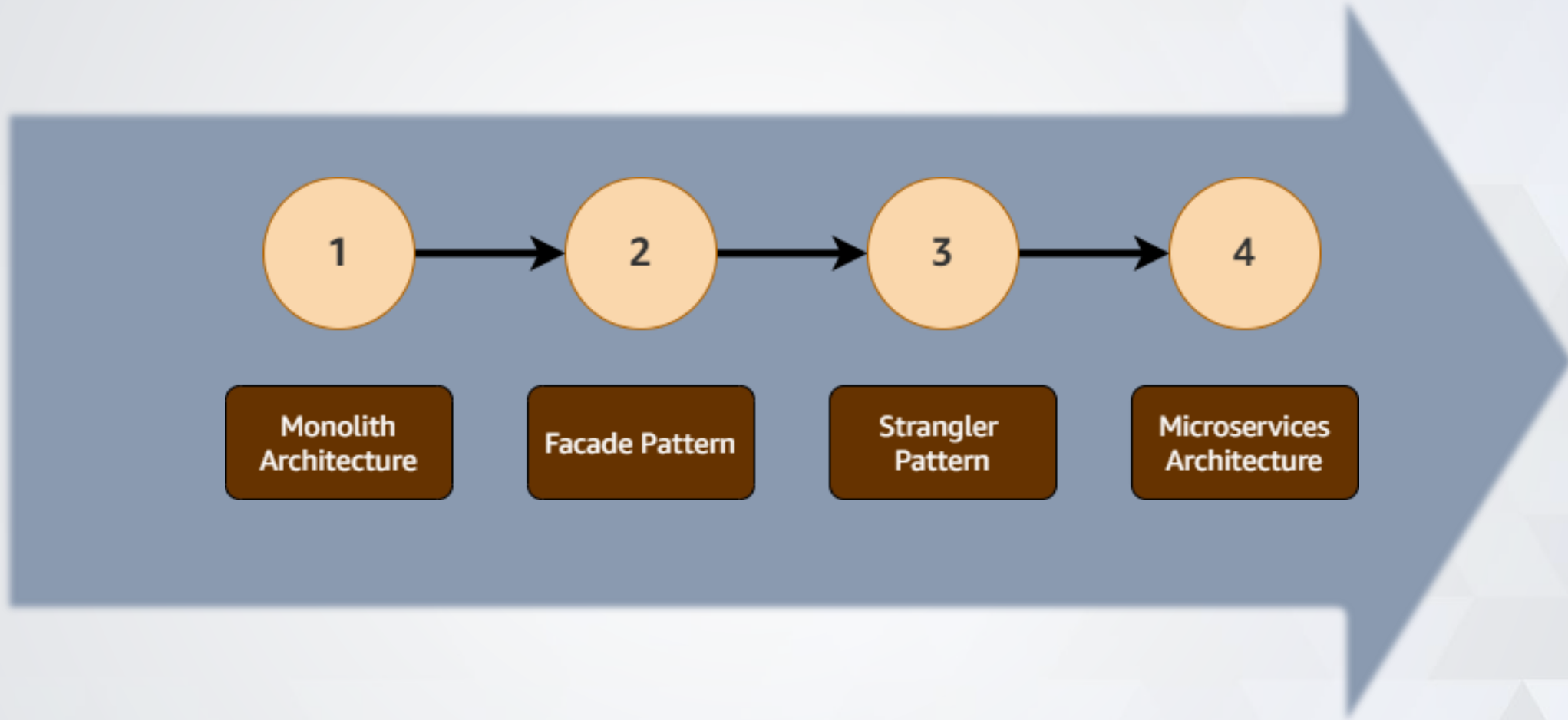
- Refactor to Cloud Native
- Rehost first & Modernize iteratively

Choices

- Microservices, Containers, Serverless

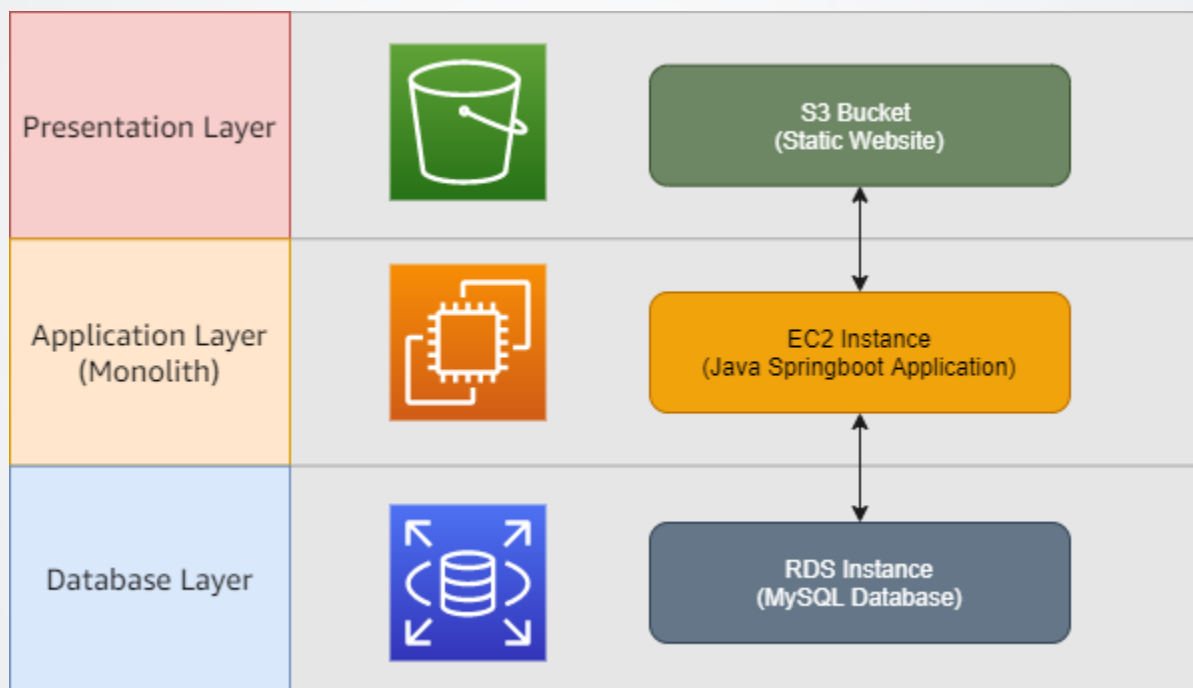


Monolith to Microservices : Steps



Application Modernization

Monolith Architecture



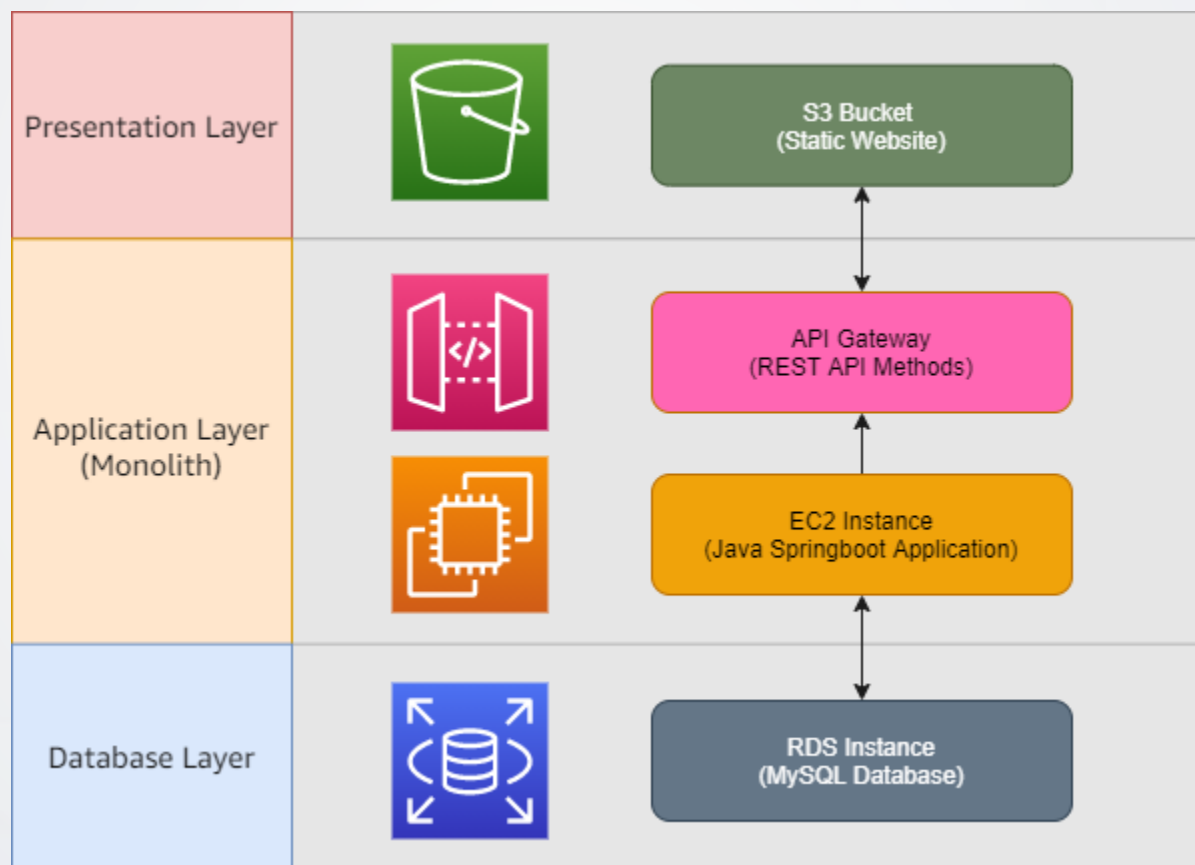
*Four Architecture Choices for
Application Development in the Digital Age*

<https://www.ibm.com/cloud/blog/four-architecture-choices-for-application-development>



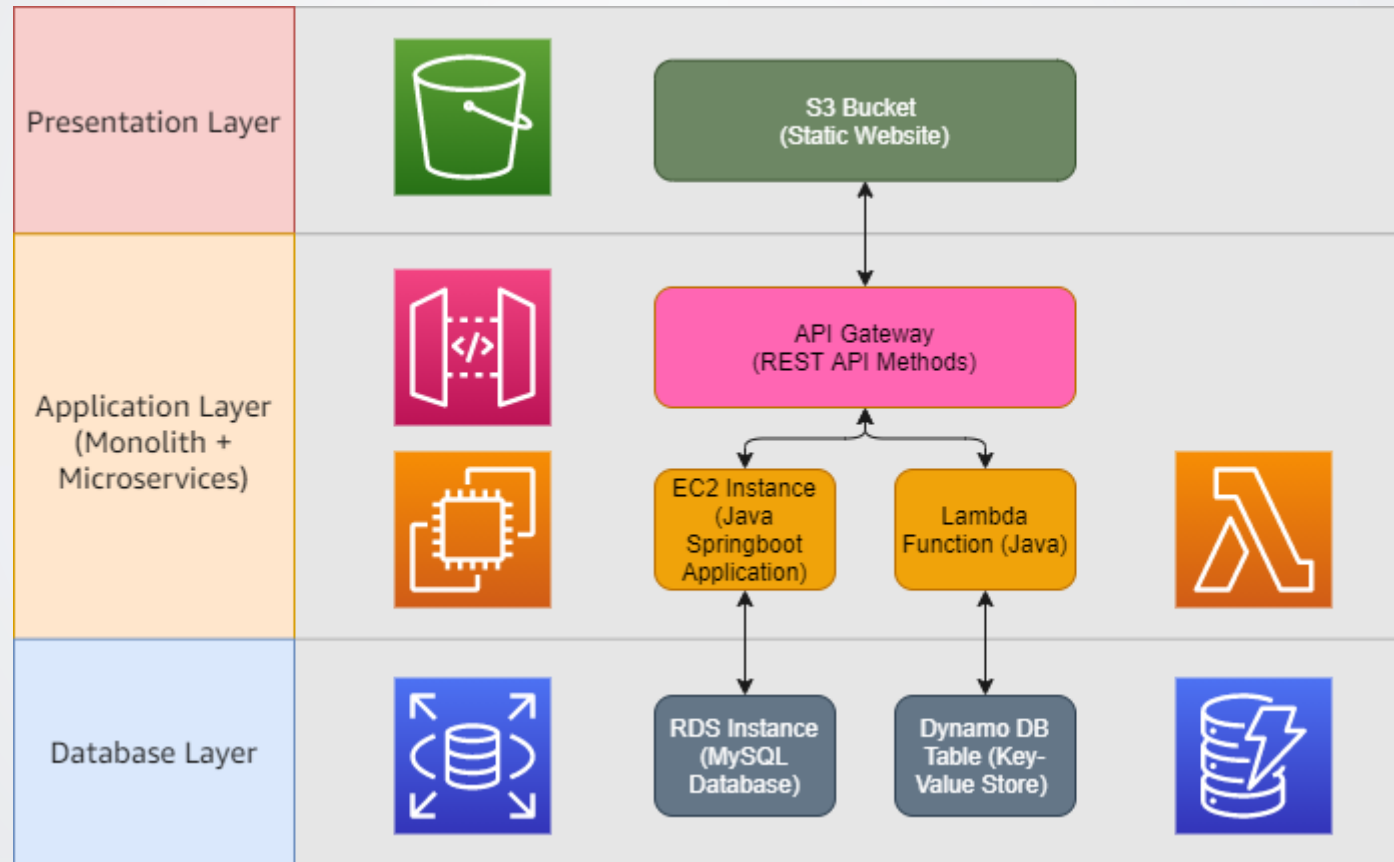
Application Modernization

Introducing a Façade API



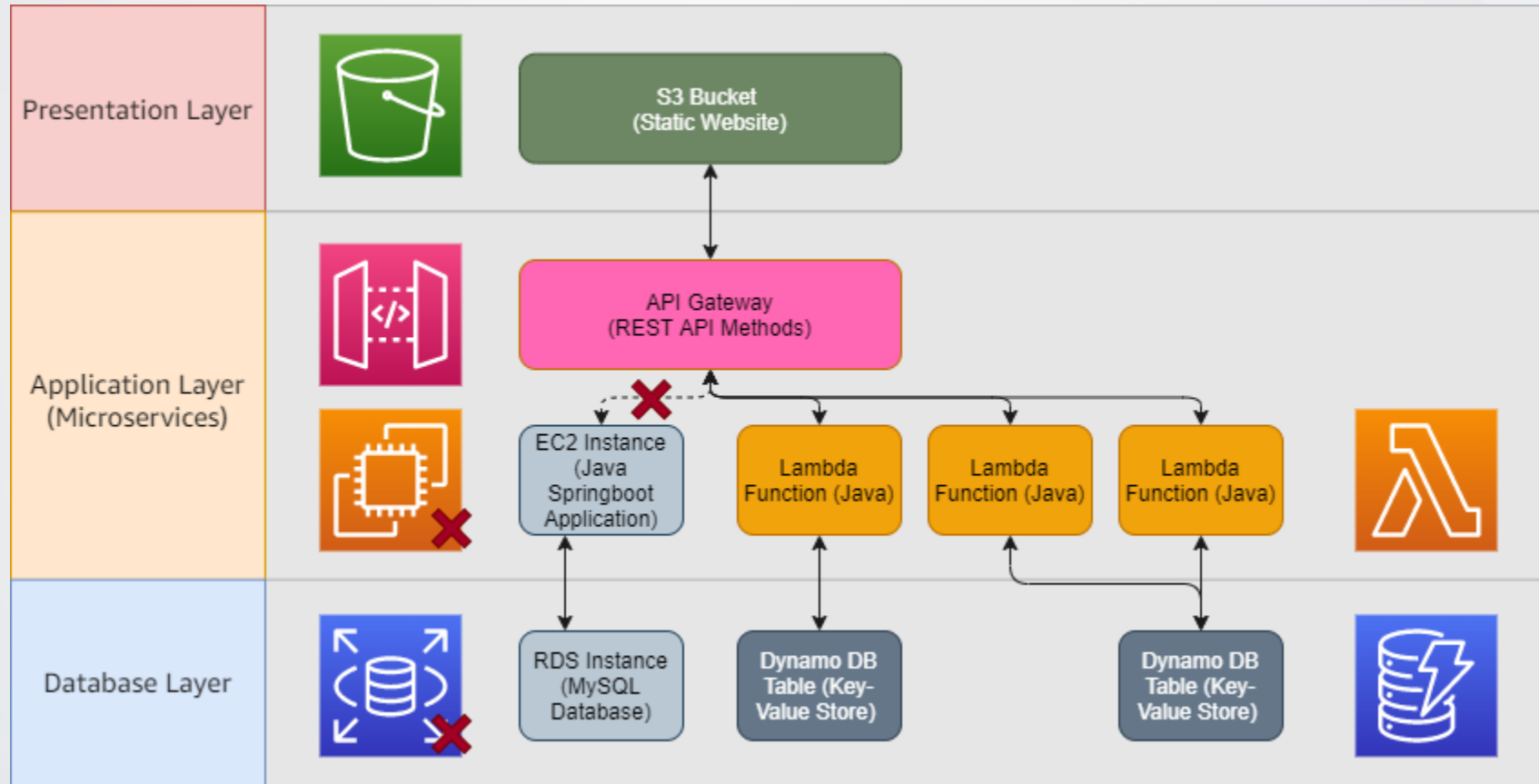
Application Modernization

Strangler Pattern - Breakout Some Services



Application Modernization

Strangler Pattern - Breakout All Services



Application Modernization

Microservices Architecture

