



ARCHITECT LIKE A BOSS

Who is Chad Green?

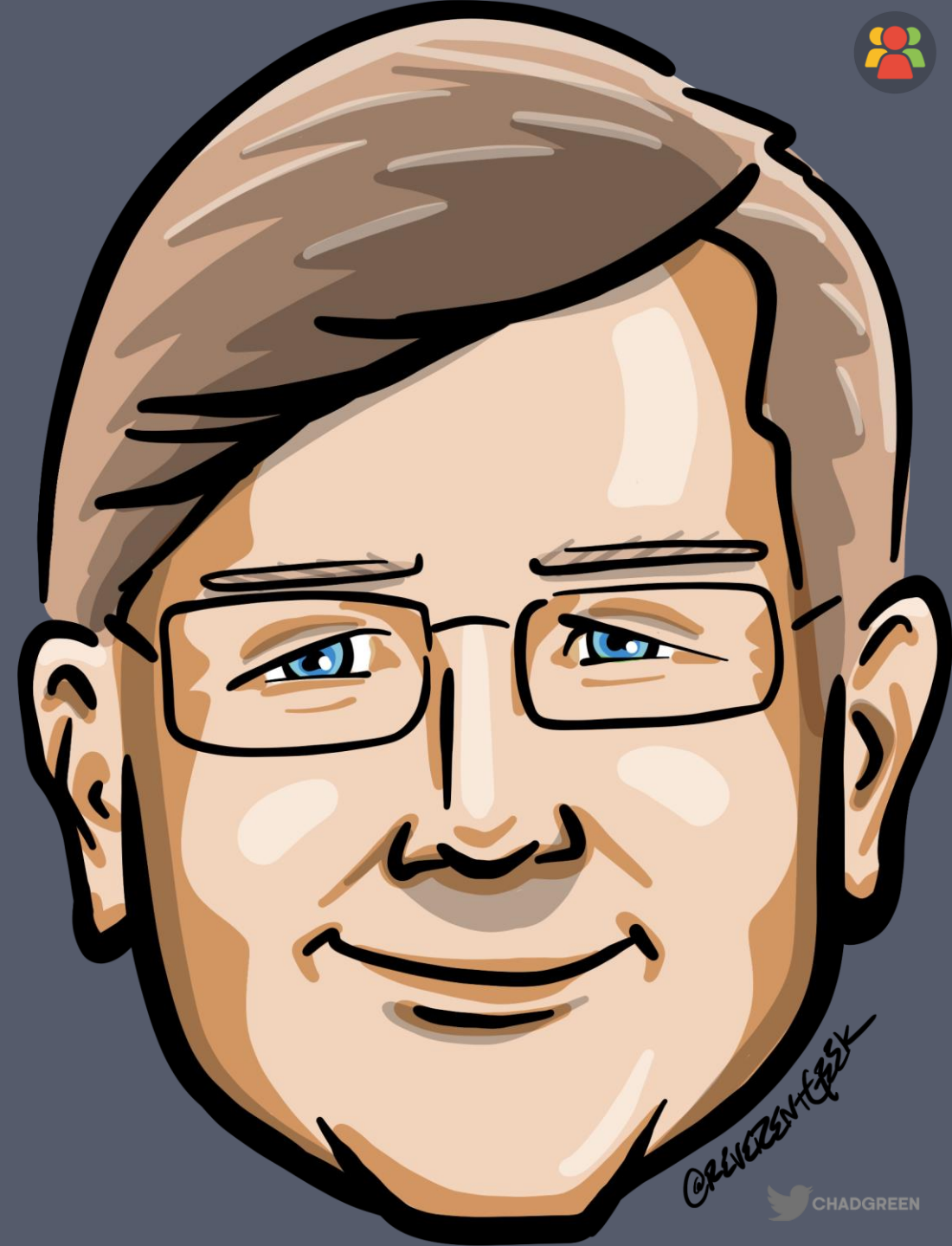
✉ chadgreen@chadgreen.com

💬 TaleLearnCode

🌐 ChadGreen.com

🐦 ChadGreen & TaleLearnCode

🌐 ChadwickEGreen





Grew up in software development





Lots of programming languages

BASIC

Microsoft BASIC
GW-Basic
QuickBASIC
Visual Basic
VB.NET

C

C
C++
C#
Java

Niche

JavaScript
Pascal
Python
PHP
COBOL



Software development paradigms

Console Applications

Desktop Applications

Distributed Desktop Applications

Web Applications

Distributed Web Applications

COM

DCMO

.NET

Entity Framework

MVC

Service-Oriented Architecture

Microservices

Cloud-Computing

Serverless Computing



Serverless Computing

Functions-as-a-Service

Event-Driven Architecture

Microservices



Work Experience





Disclaimer



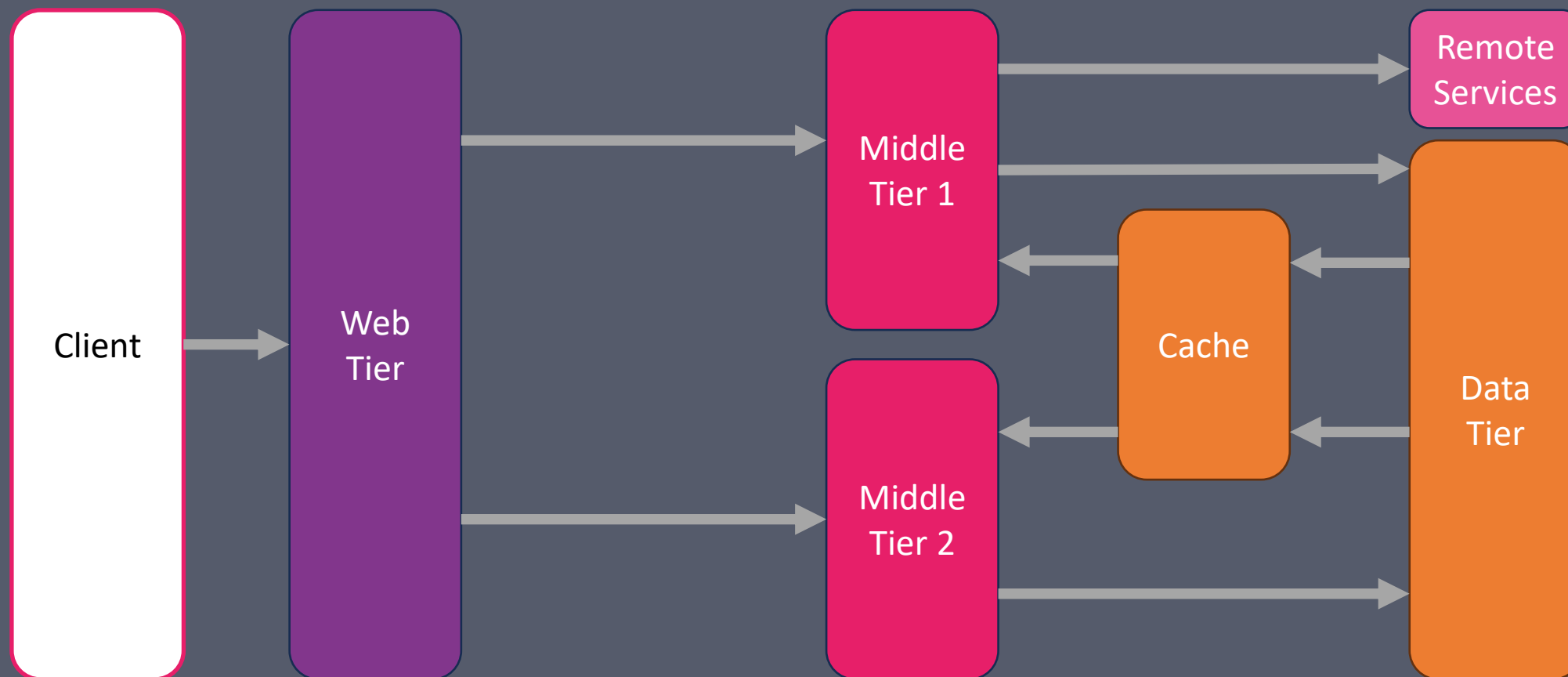


Architecture Styles

Architect Like a Boss

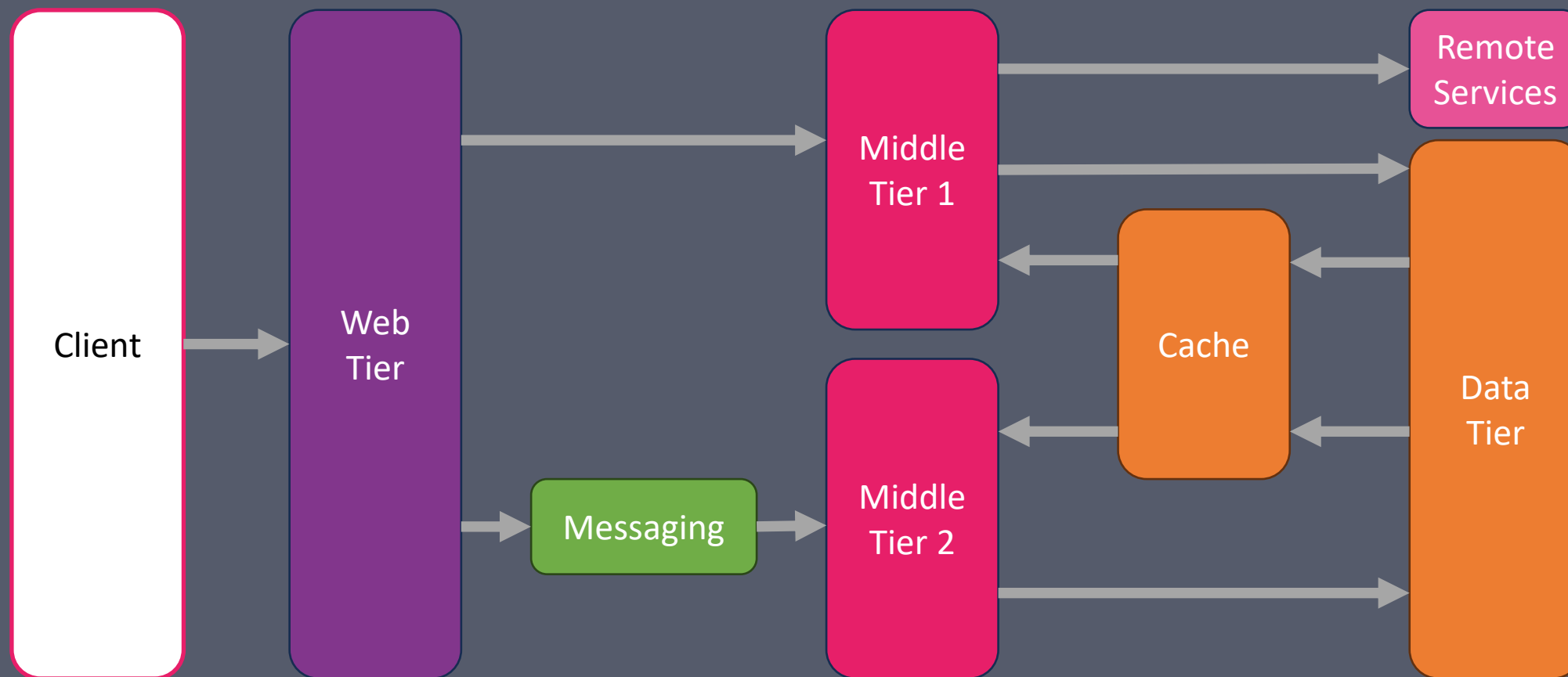


N-Tier



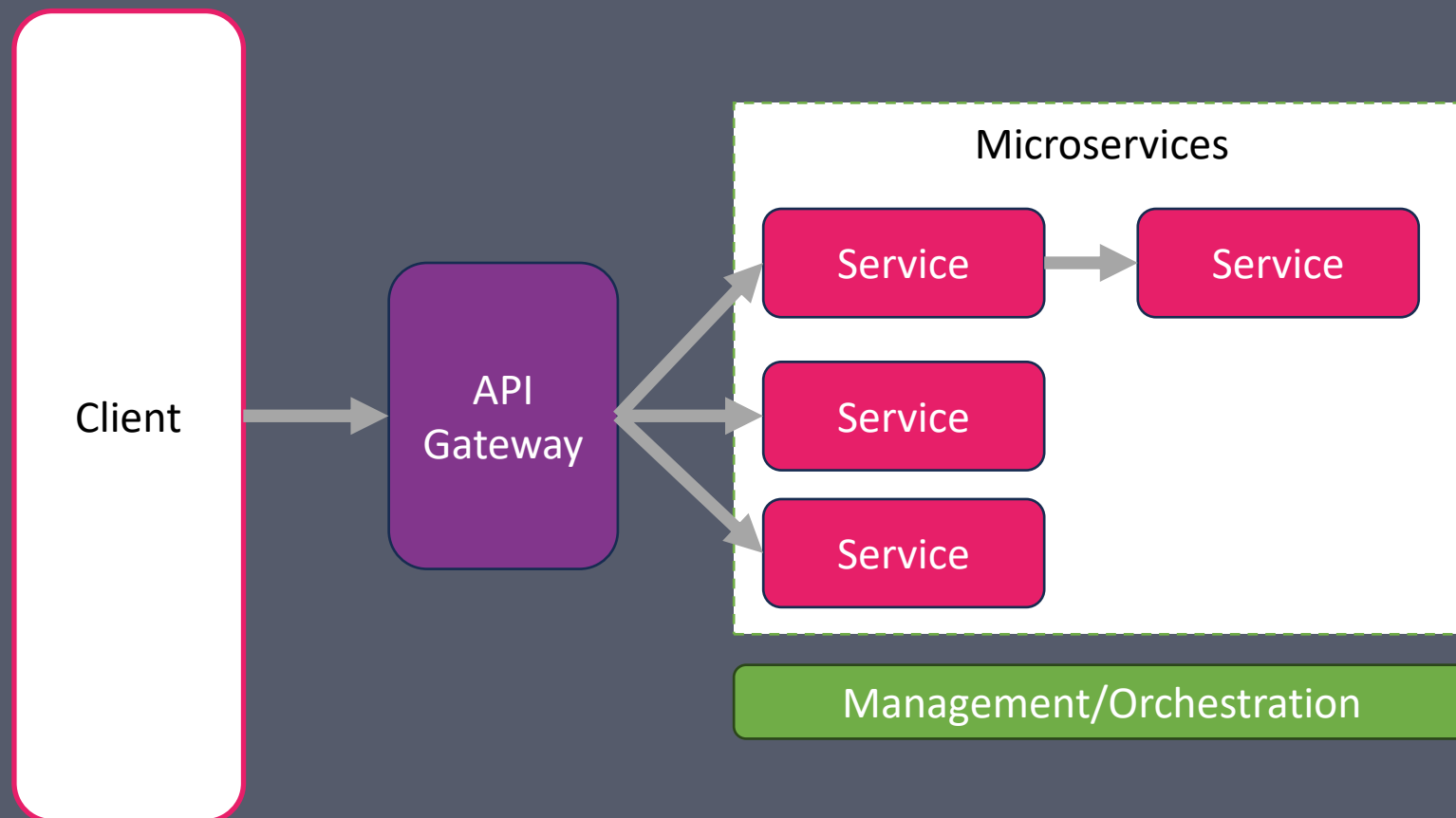


N-Tier with Messaging





Microservices





Event-Driven Architecture



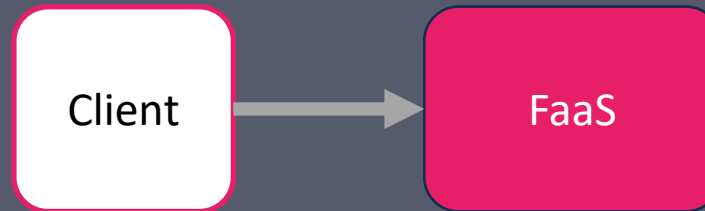


Serverless Design Patterns

Architect Like a Boss

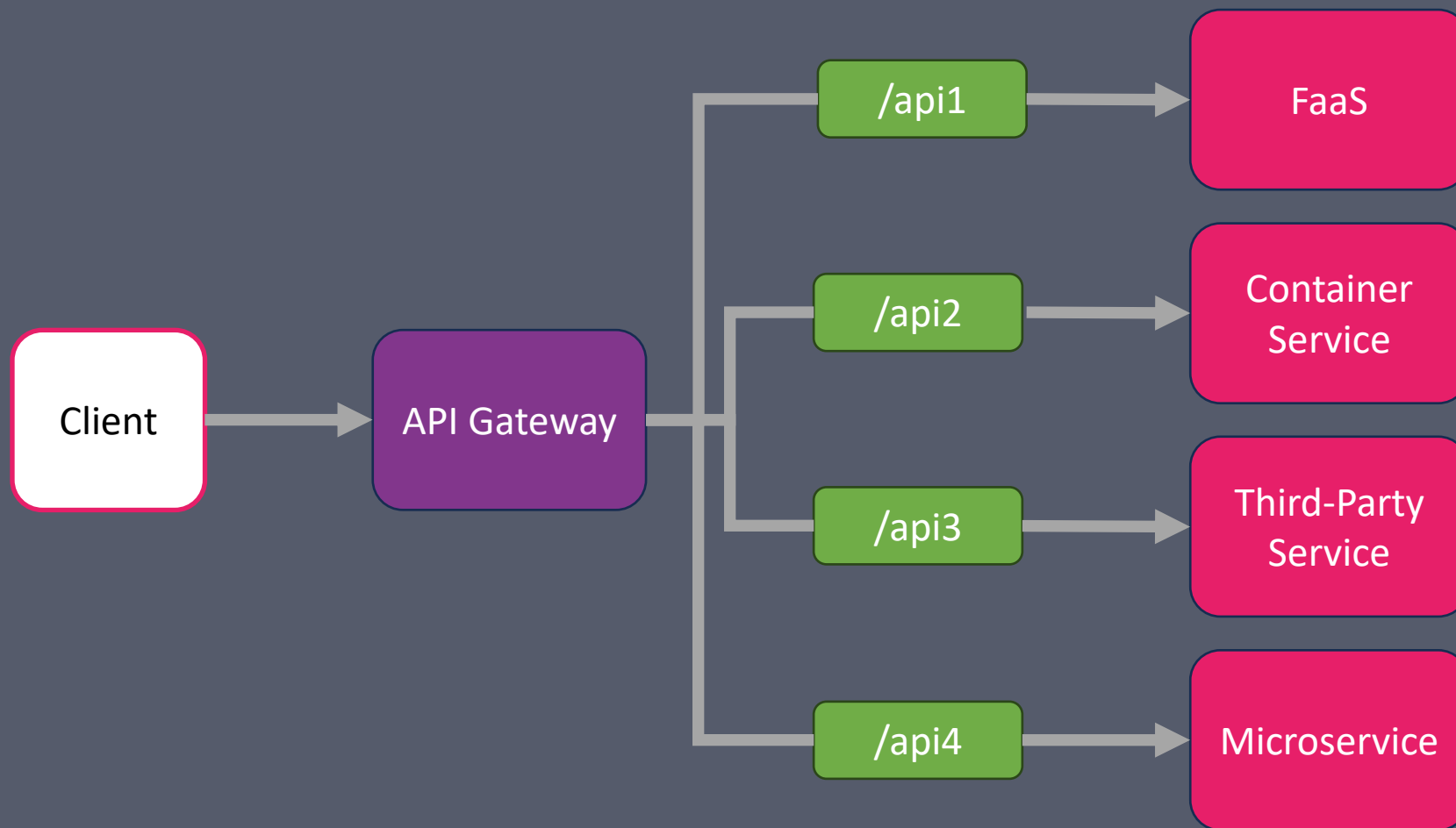


Simple Web Service



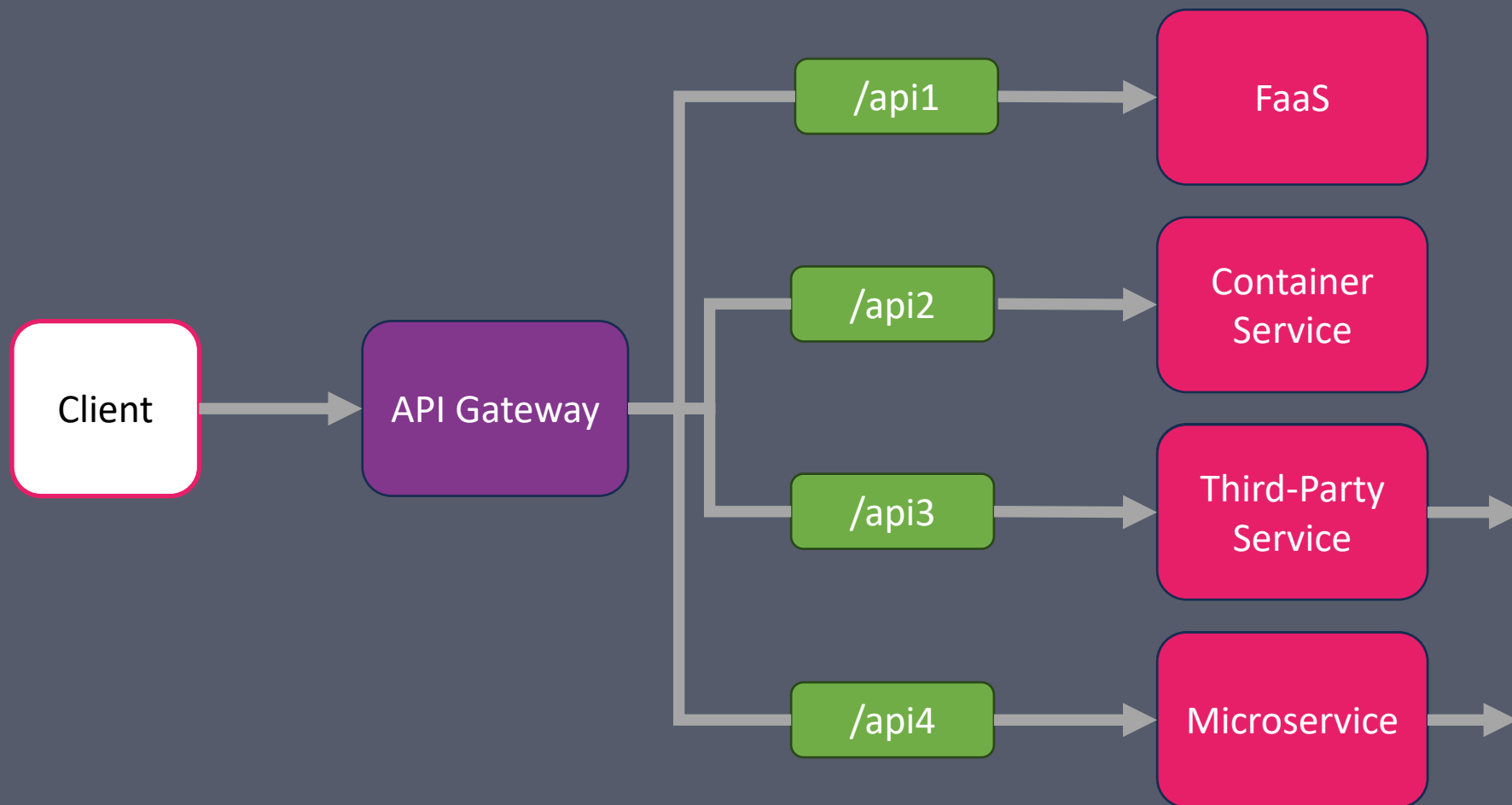


Robust API



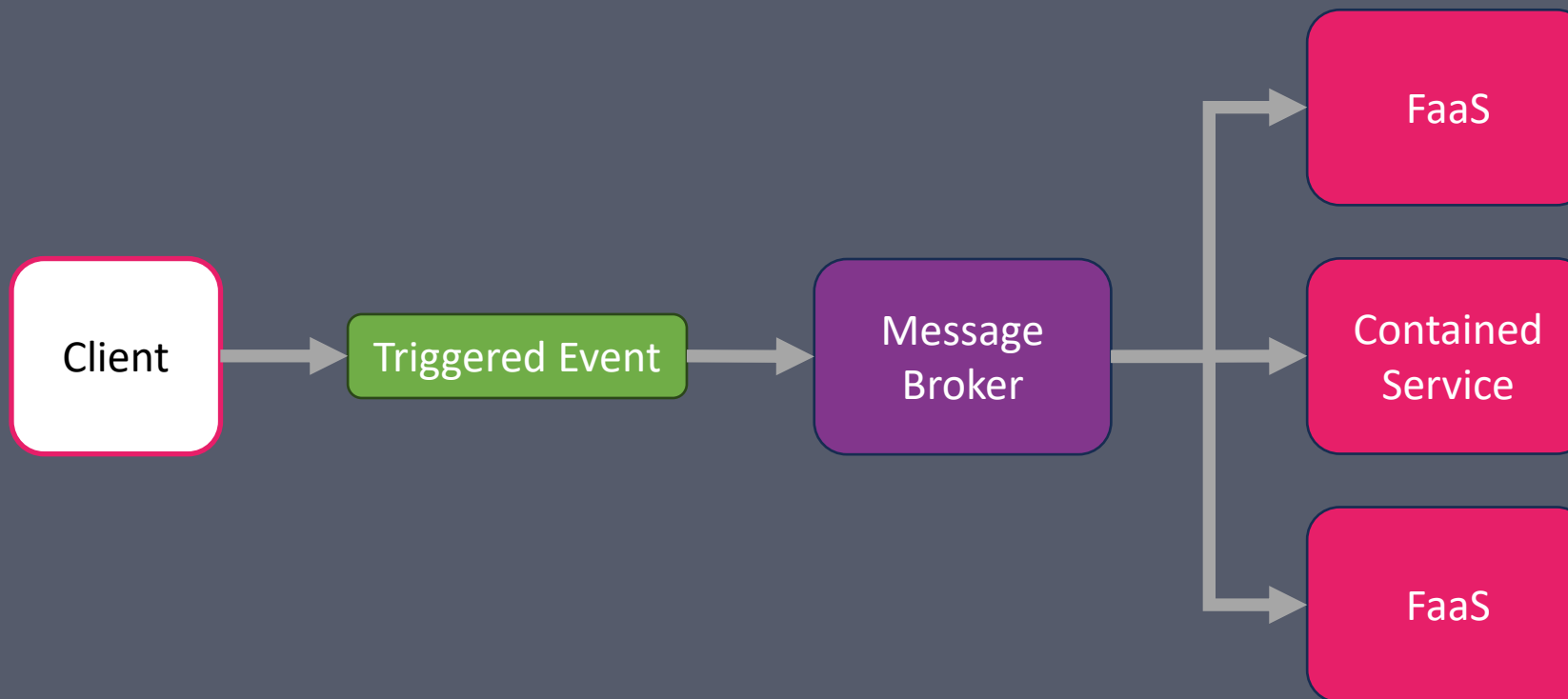


Robust API with Aggregation



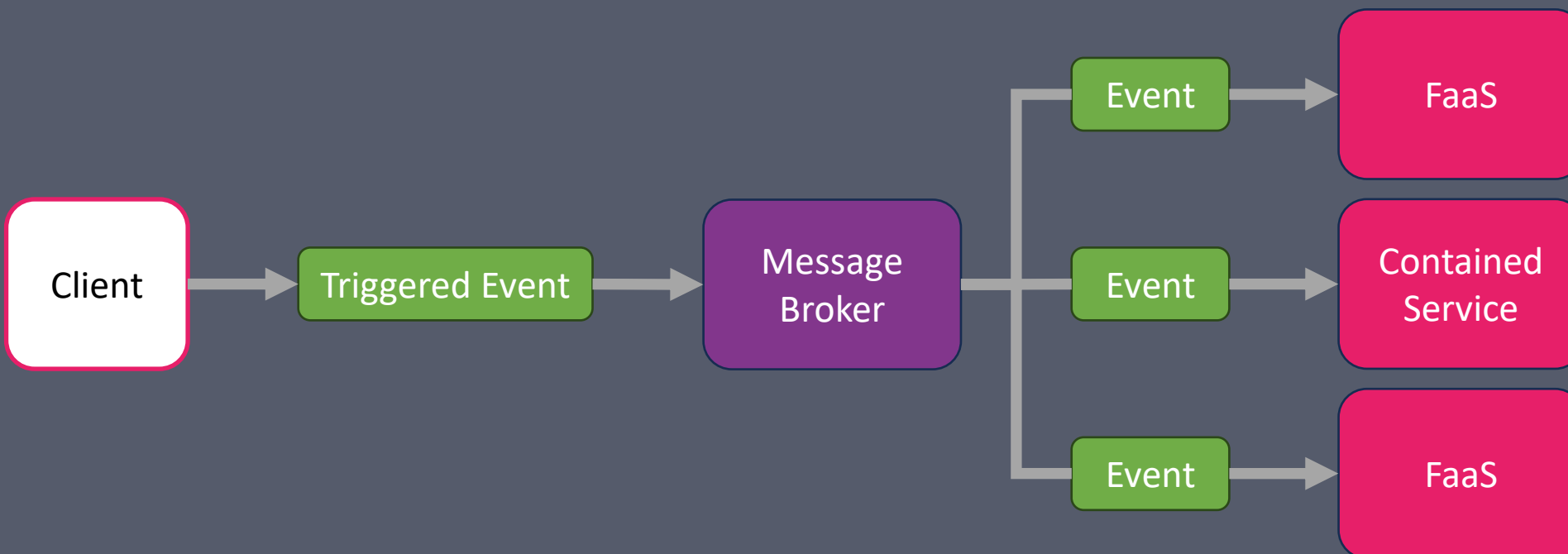


Decoupled Messaging



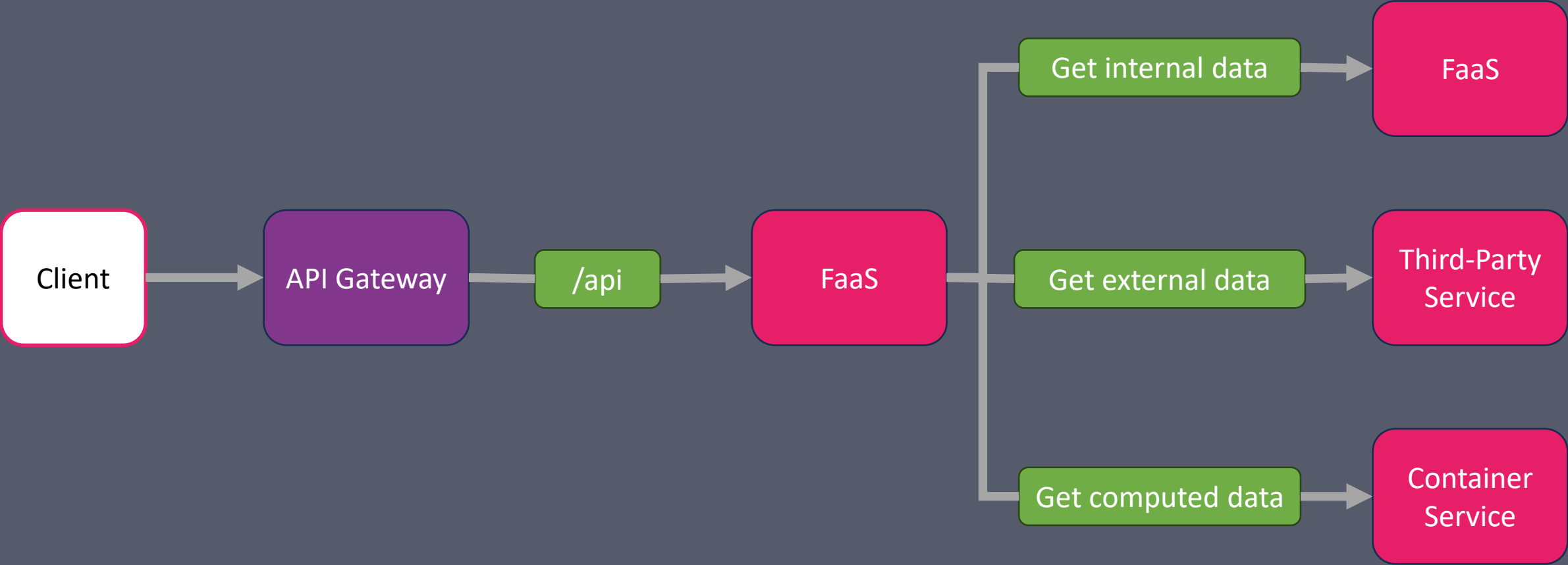


Publish/Subscribe



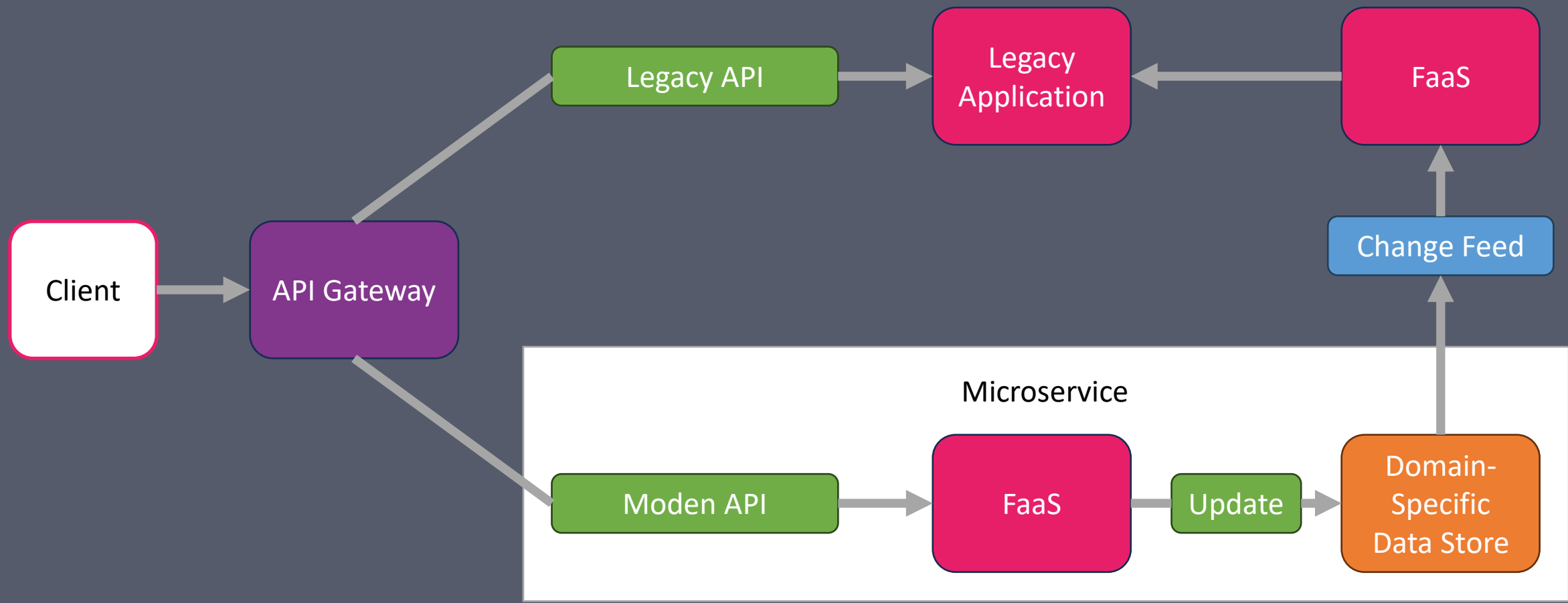


Aggregation



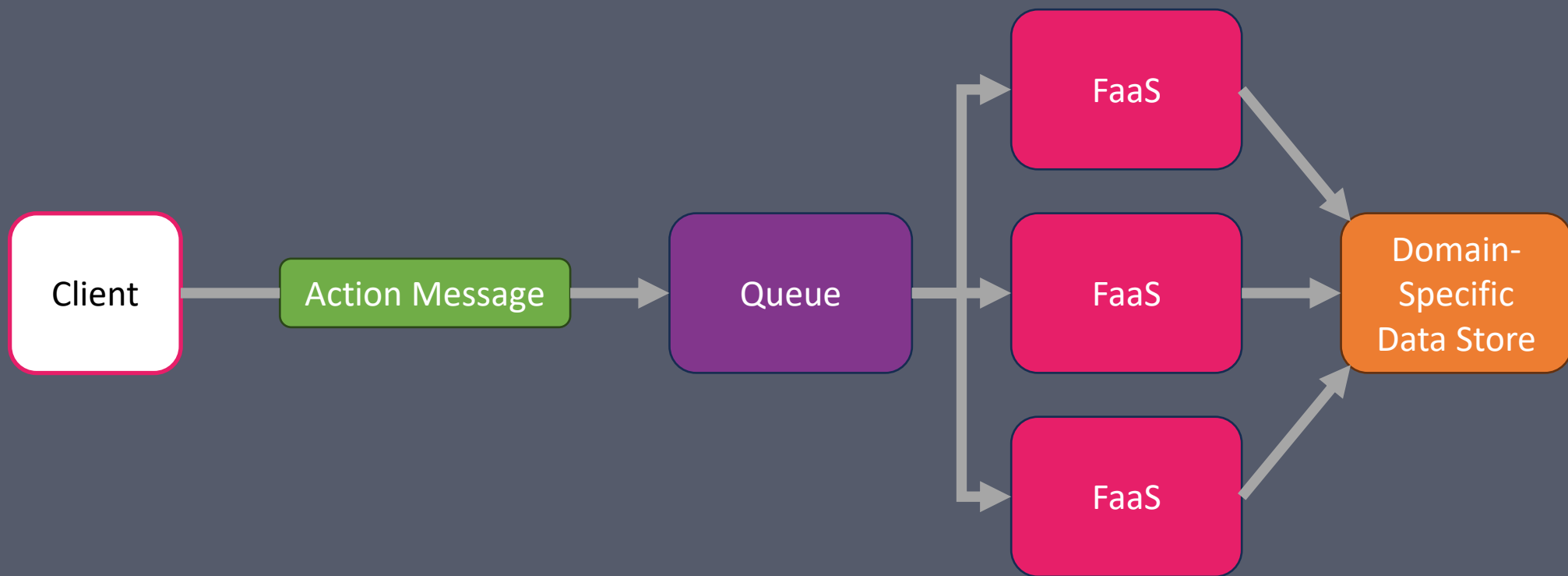


Strangler



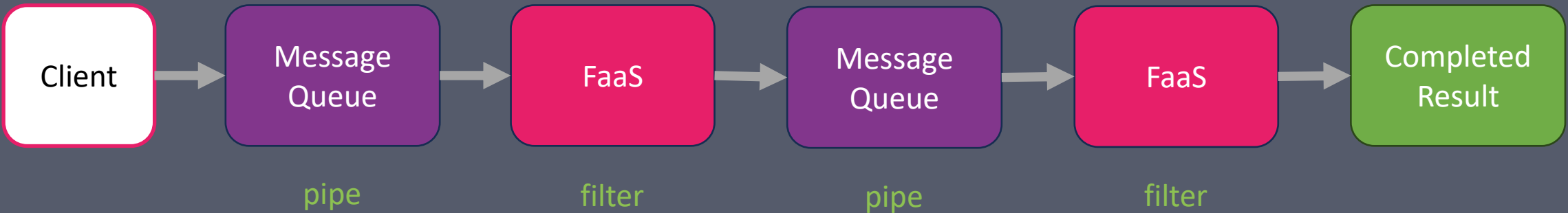


Queue-Based Load Leveing



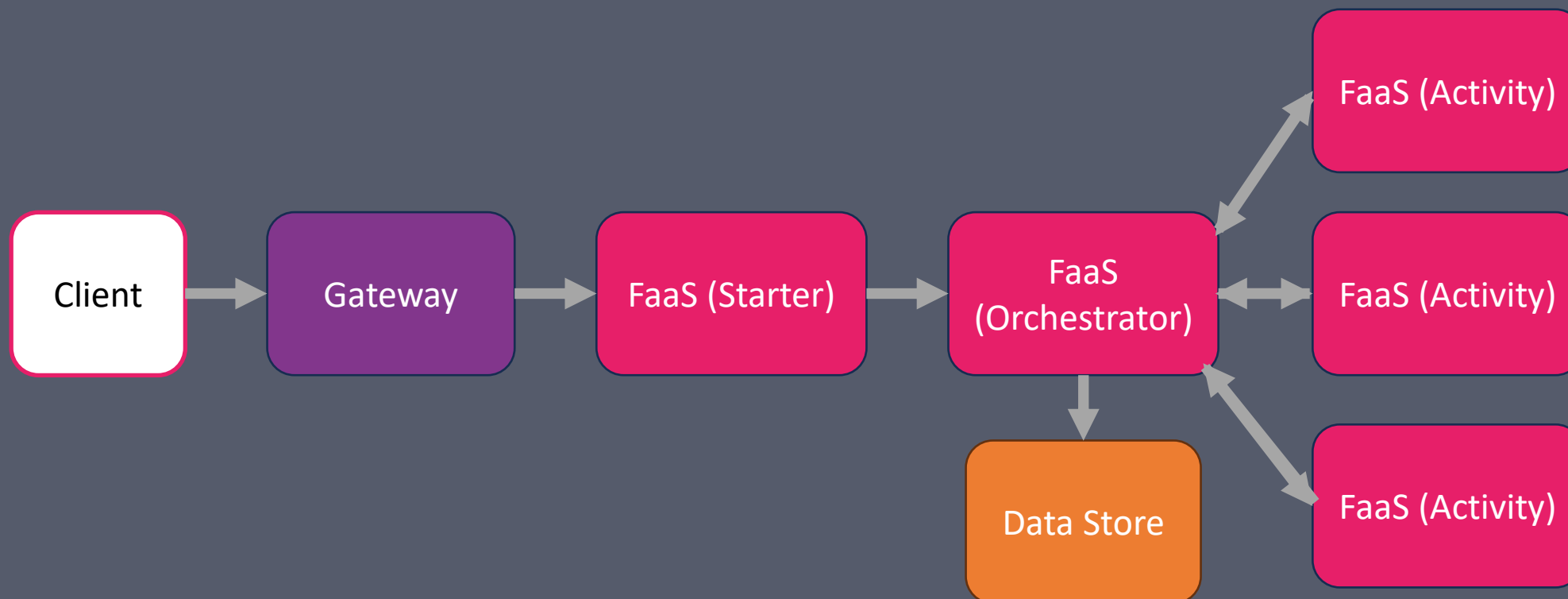


Pipes and Filters



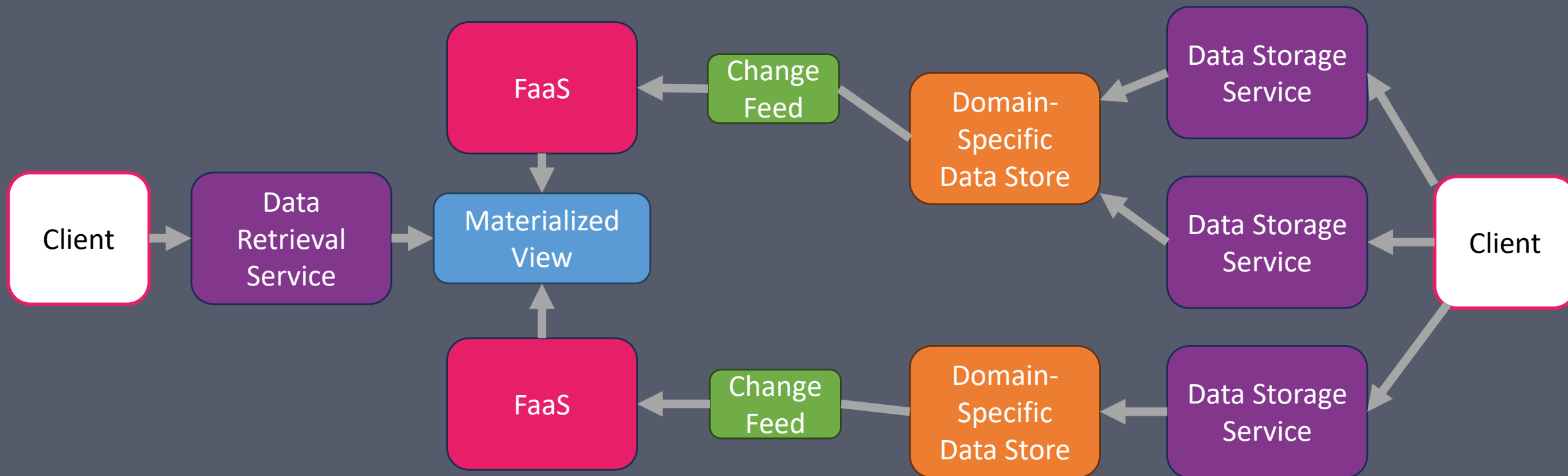


Fan-out/Fan-In





Materialized Views



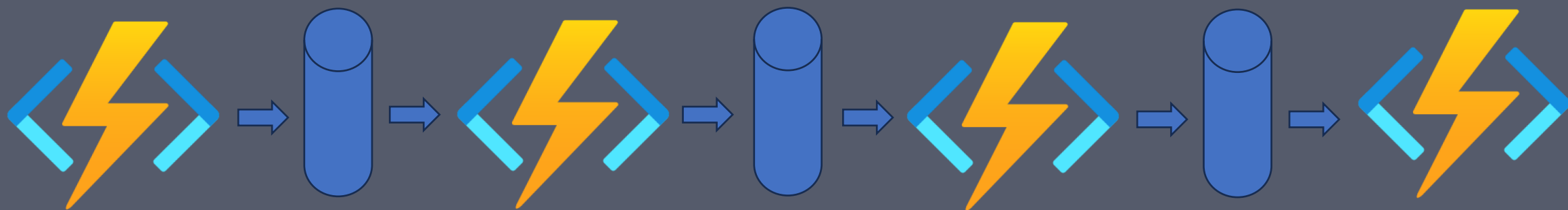


Orchestration

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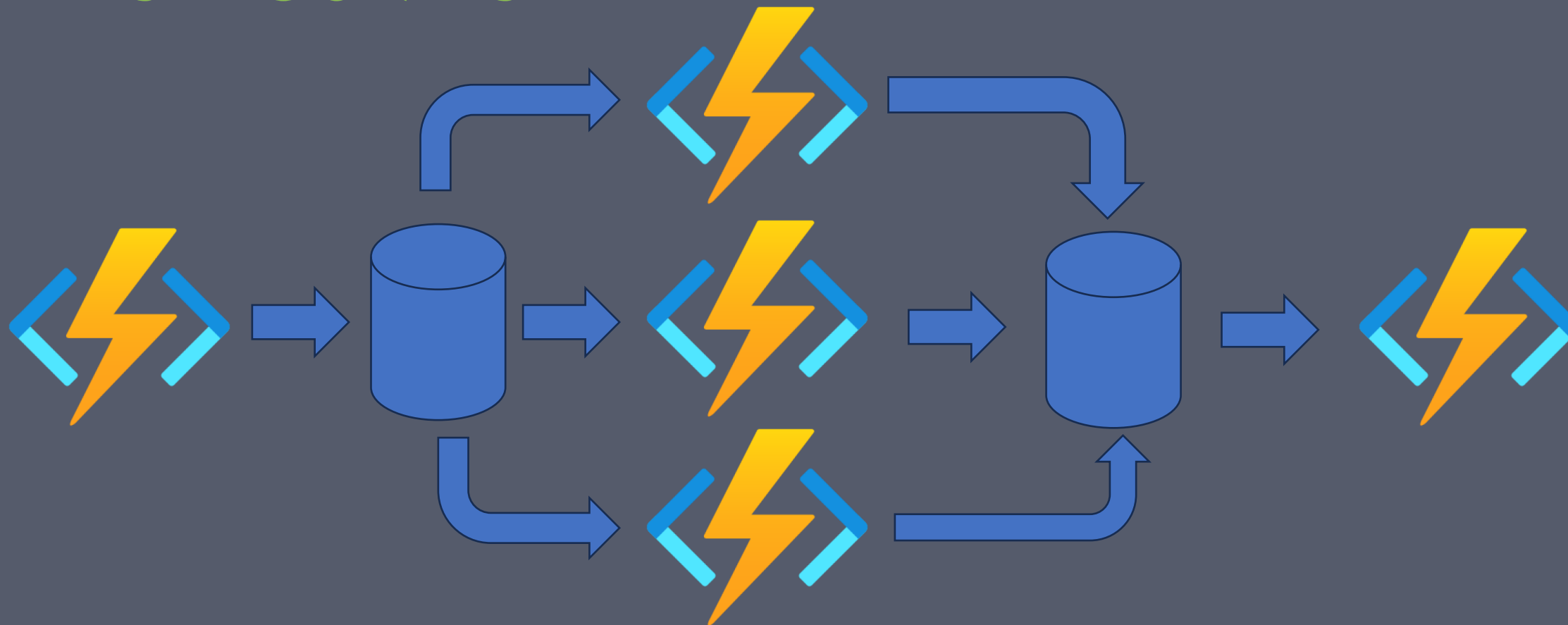


Function Chaining



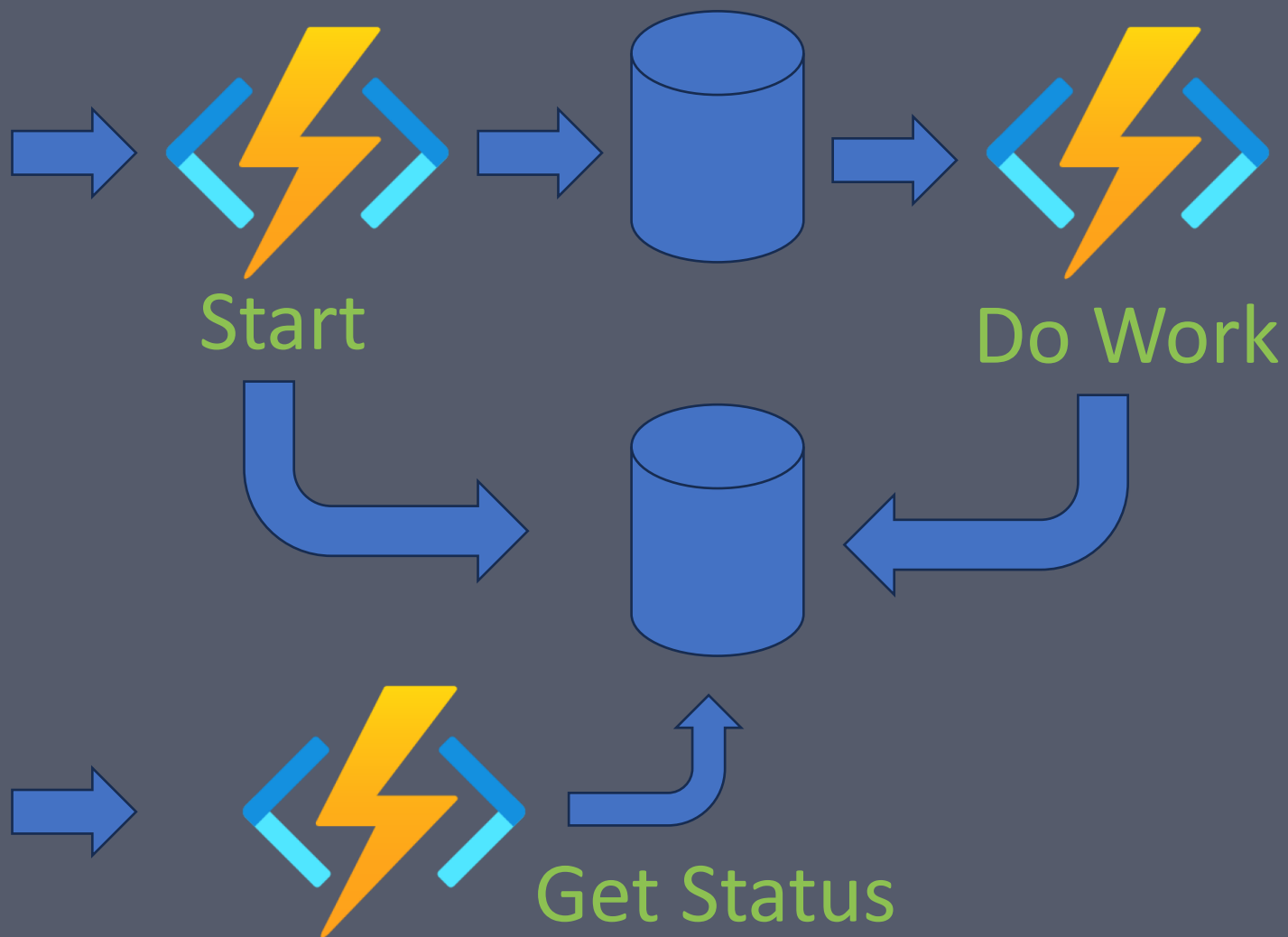


Fan out/Fan in





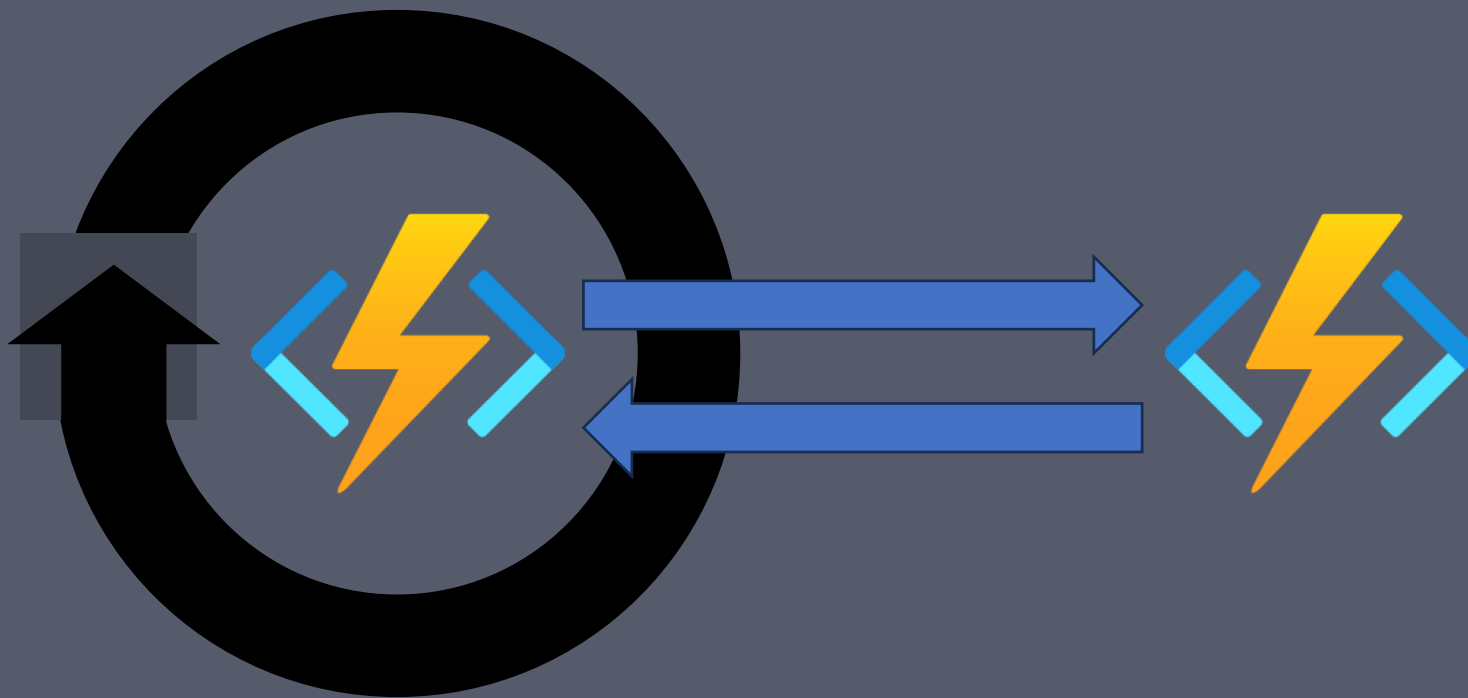
Async HTTP APIs



Presentation Title

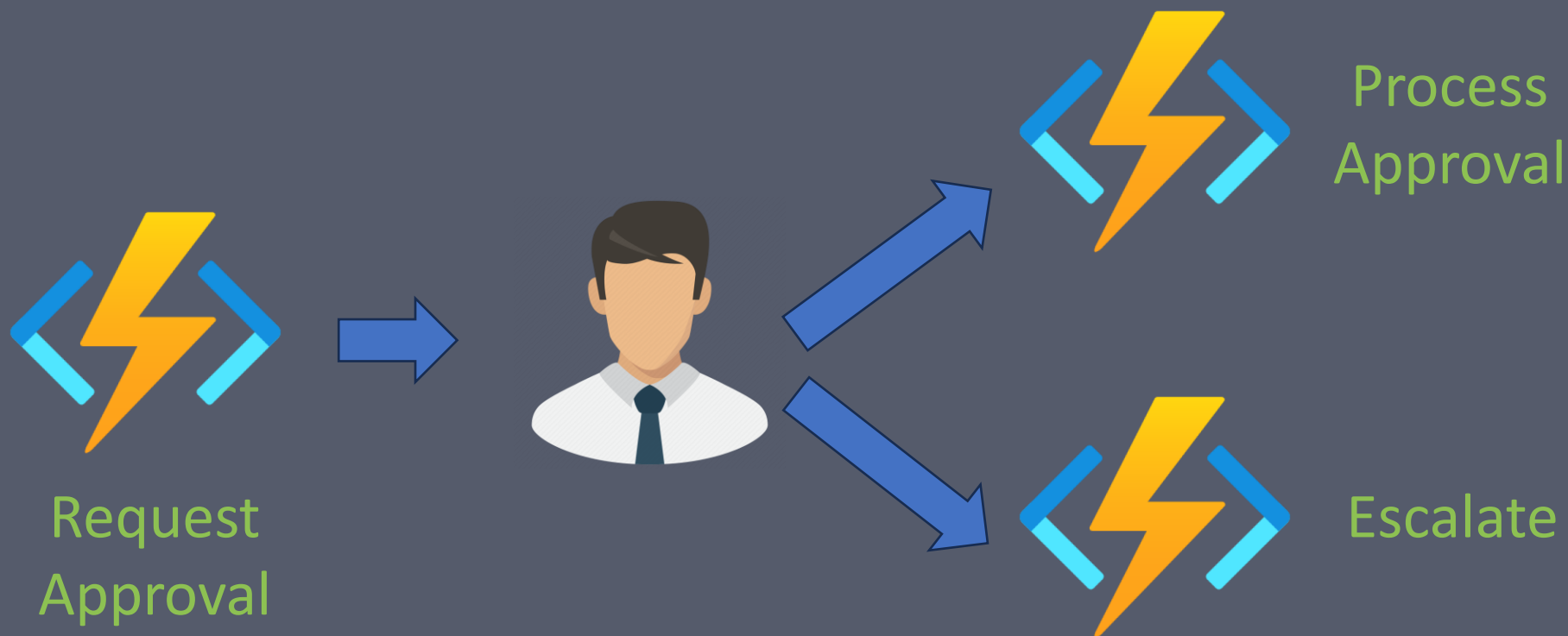


Monitor



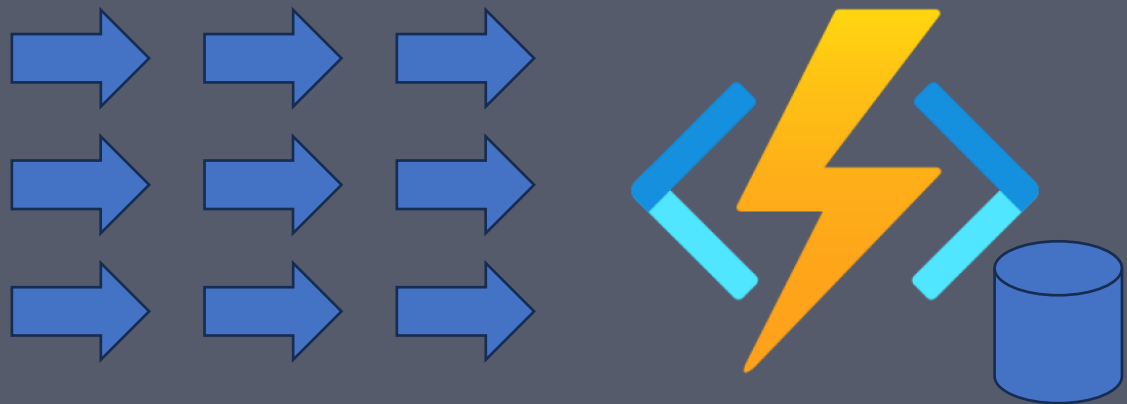


Human Interaction





Stateful Entities





Serverless Best Practices

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Serverless Best Practices

Stay Focused



Serverless Best Practices

Stay Focused

Handle Errors



Serverless Best Practices

Stay Focused

Handle Errors

Observe What's
Going On



Serverless Best Practices

Stay Focused

Handle Errors

Observe What's
Going On

Test, Test, and
Test Again



Serverless Best Practices

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Observe What's
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Test, Test, and
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Optimize Costs



Serverless Best Practices

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Optimize Costs

Engage Shields



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Log and Trace



Serverless Best Practice

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Test, Test, and
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Optimize Costs

Engage Shields

Log and Trace

Versioning and
Deployment

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