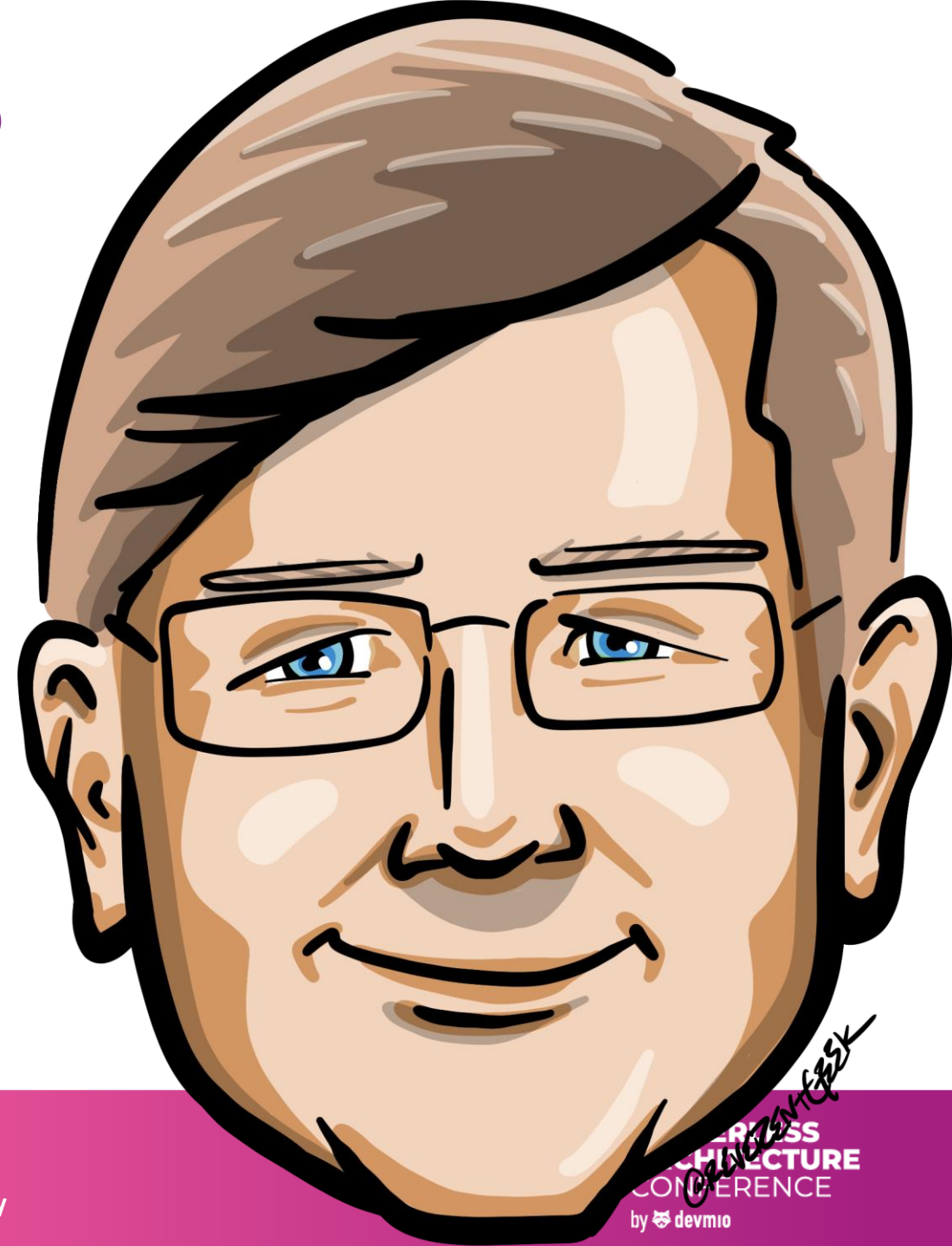




Crack the Code to Scalability

Mastering Serverless Architectures for Unstoppable Apps!

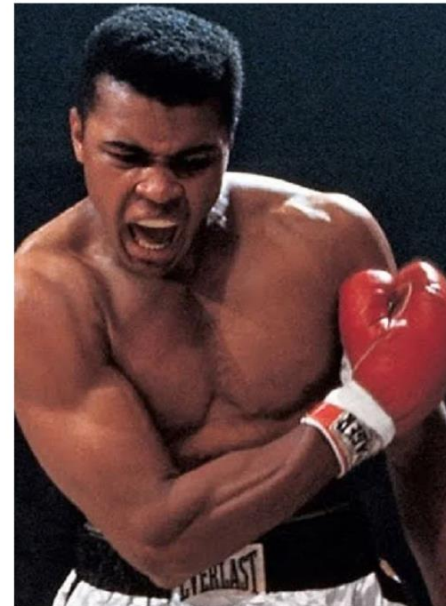
Who is Chad Green?



Crack the Code to Scalability

CRACK THE CODE TO SCALABILITY
CONFERENCE
by devm10

My hometown



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

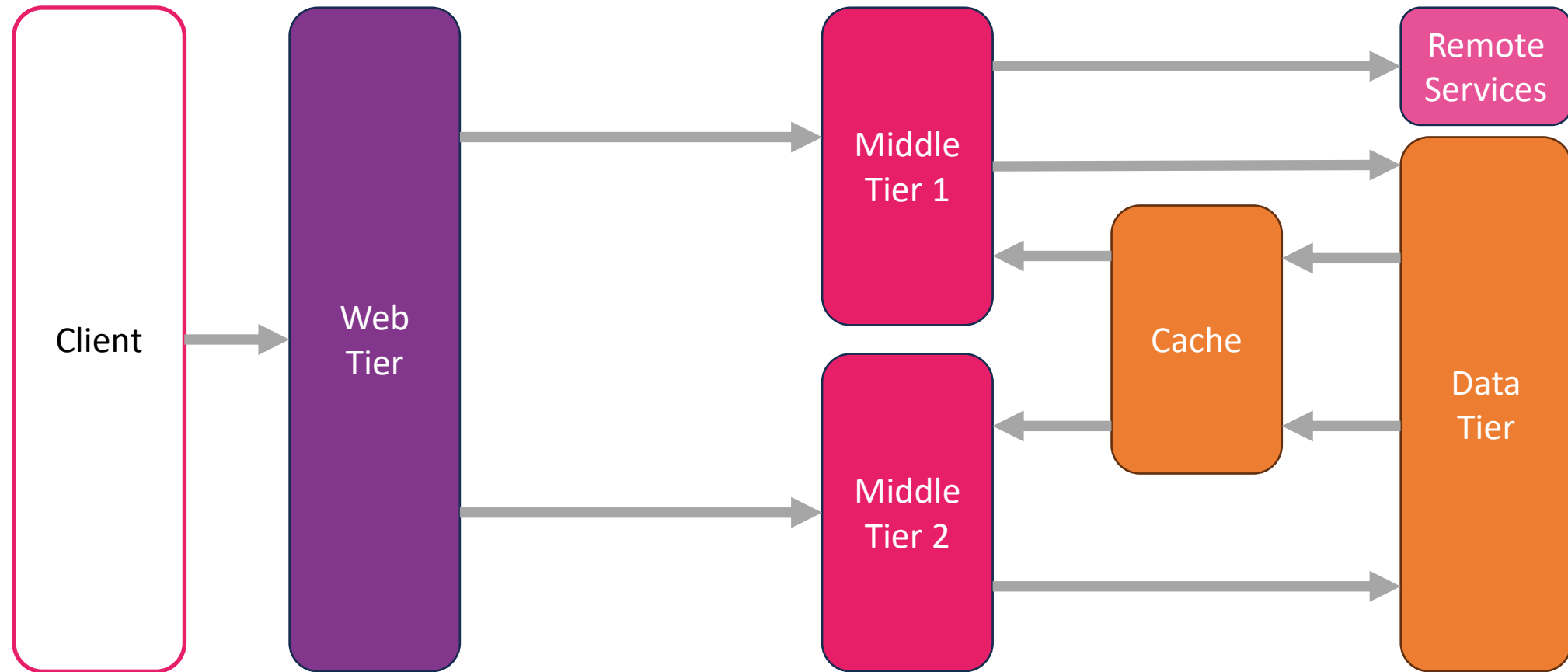


Architecture Styles

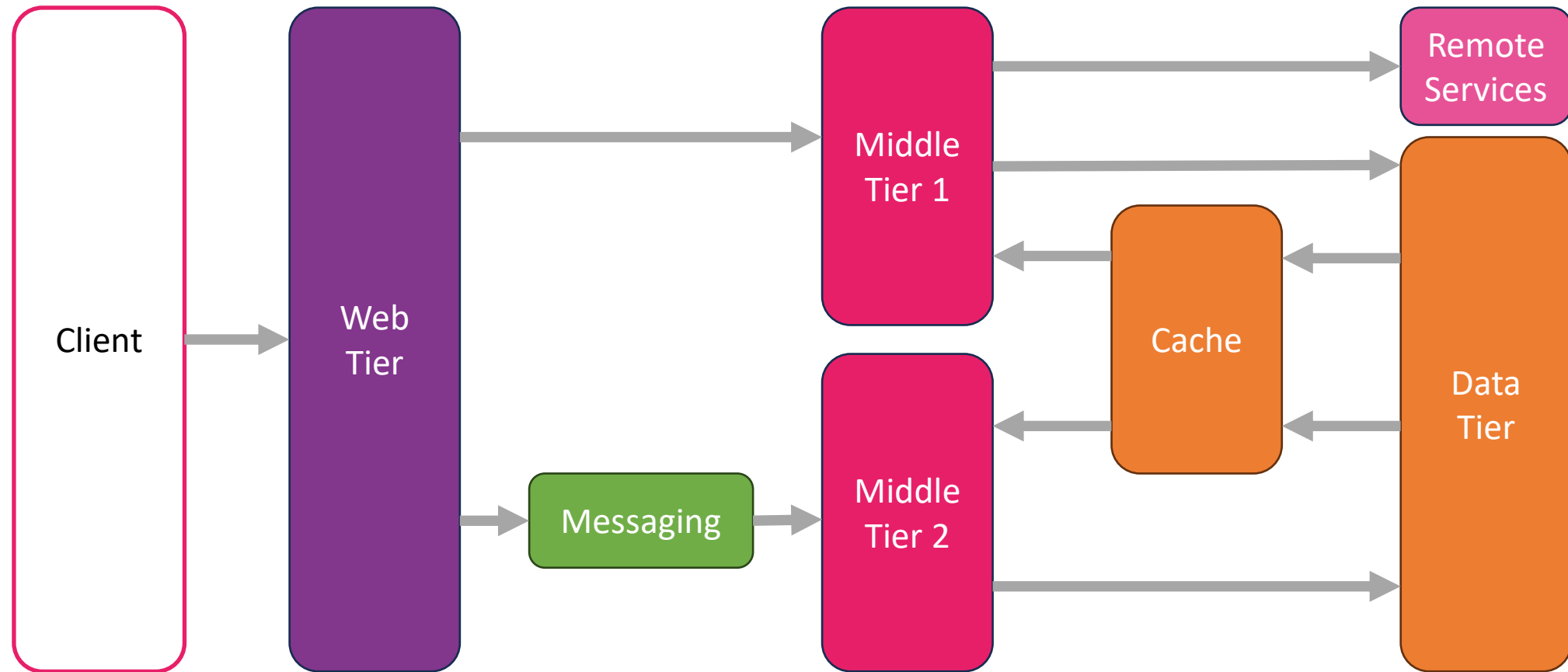
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Crack the Code to Scalability

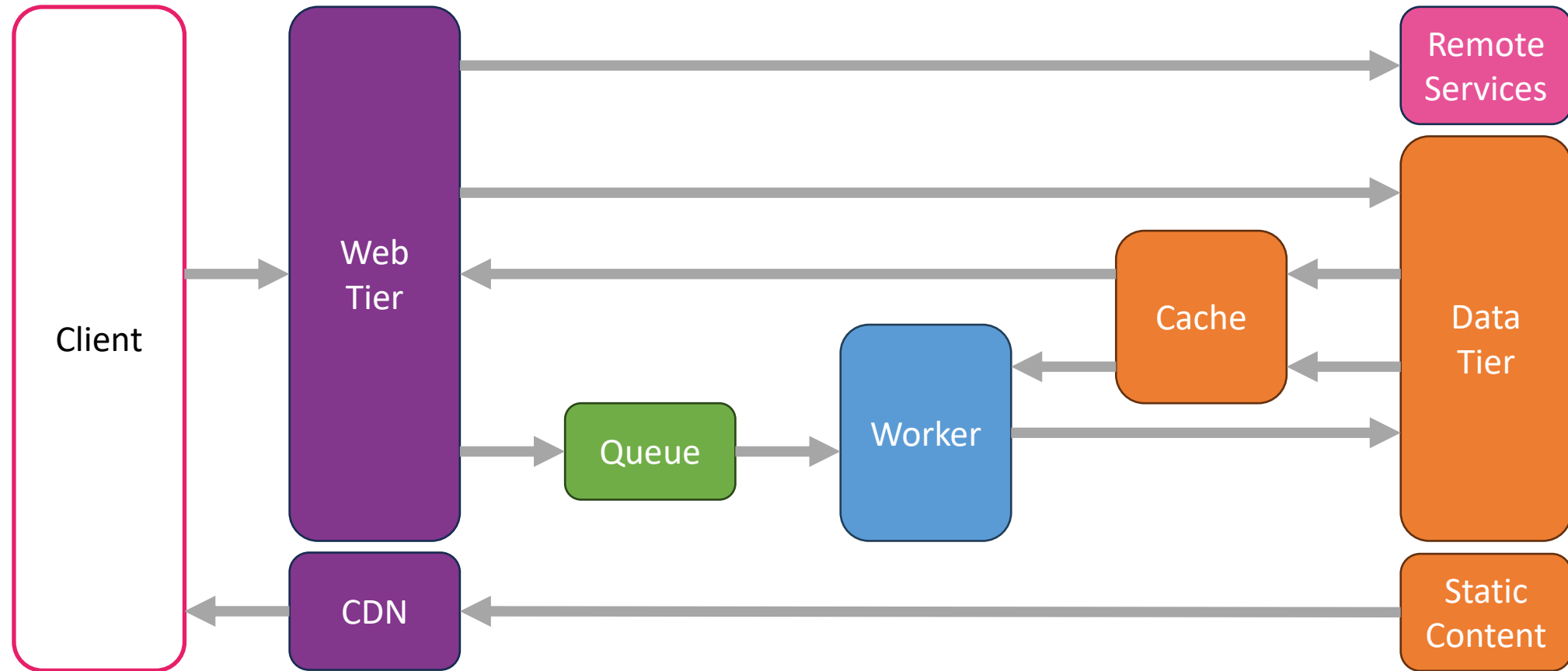
N-Tier



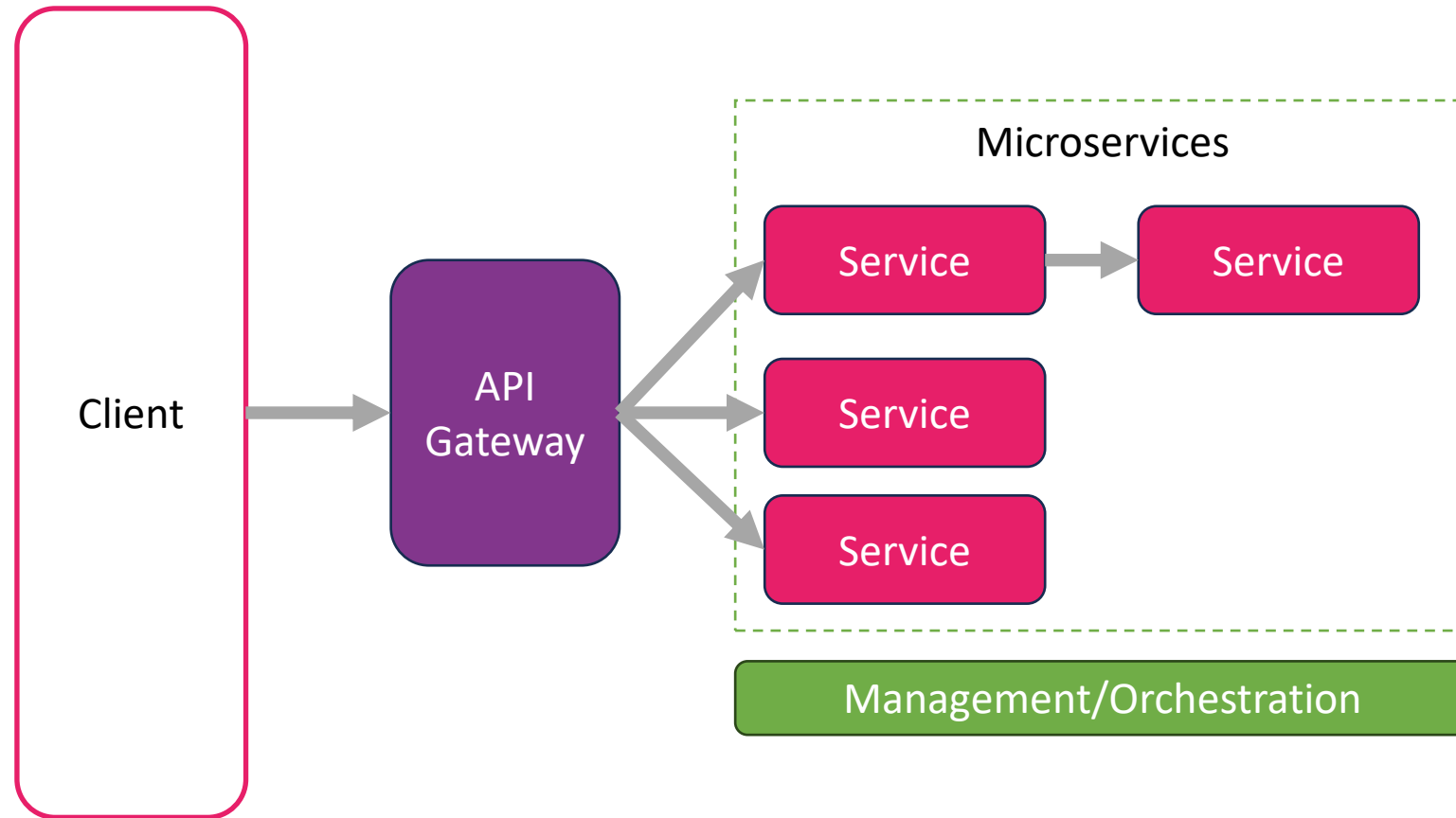
N-Tier with Messaging



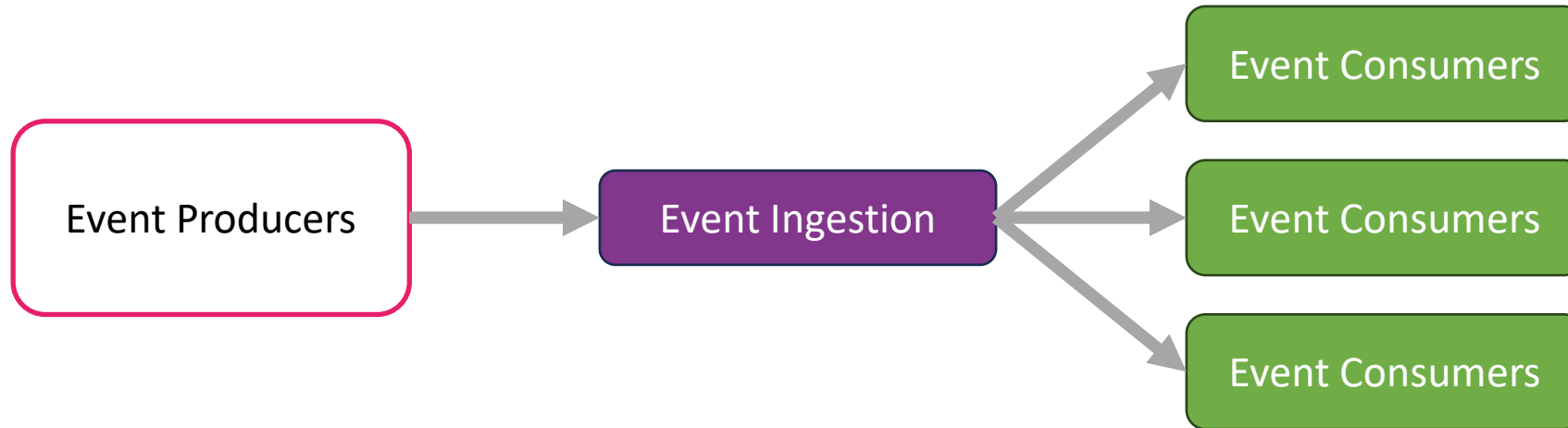
Web-Queue-Worker



Microservices



Event-Driven Architecture

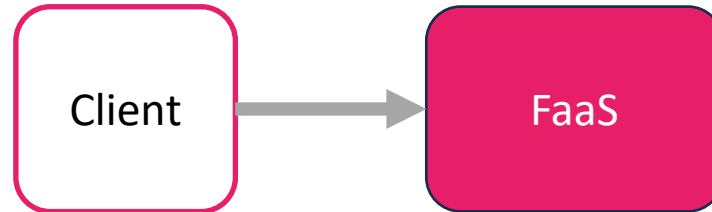


Serverless Design Patterns

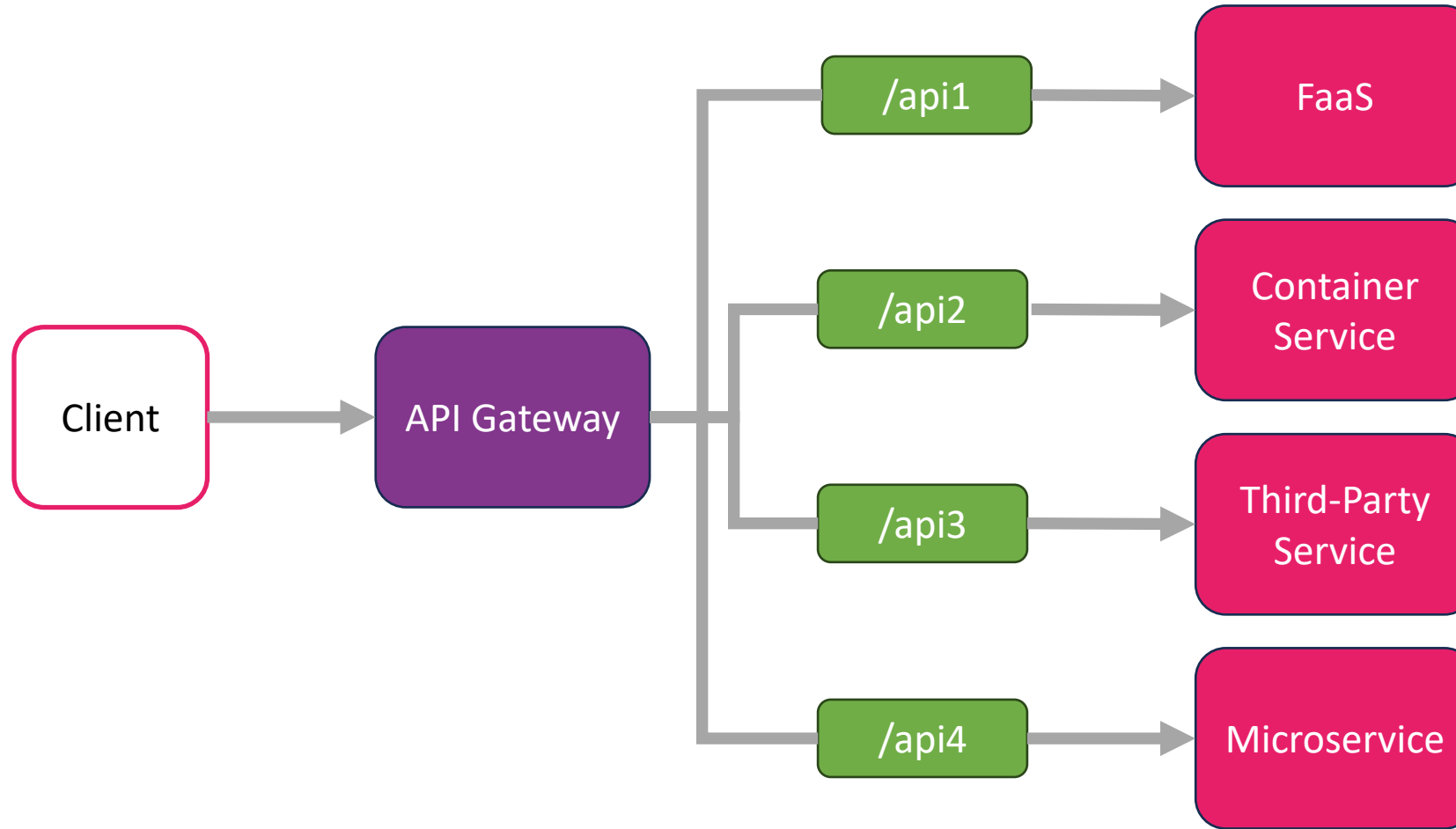
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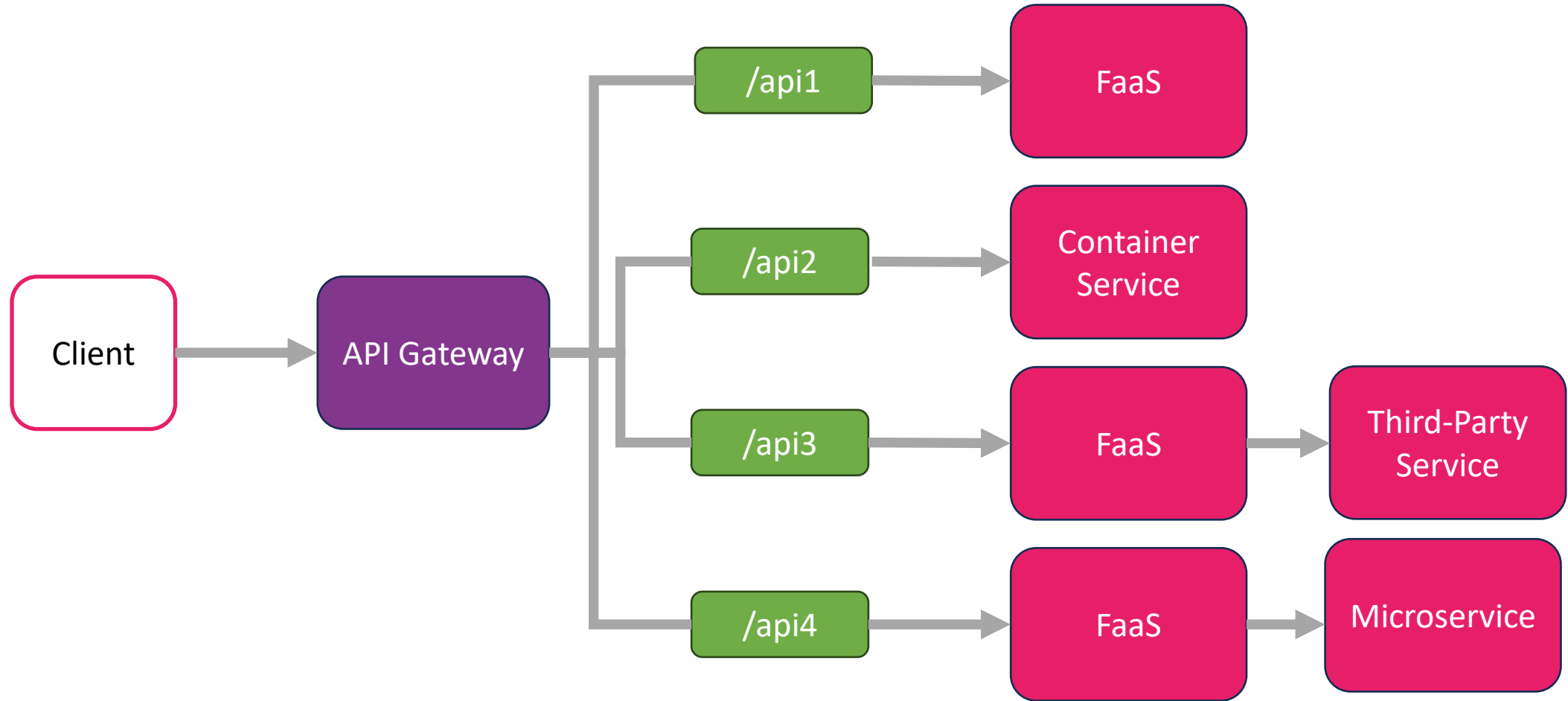
Simple Web Service



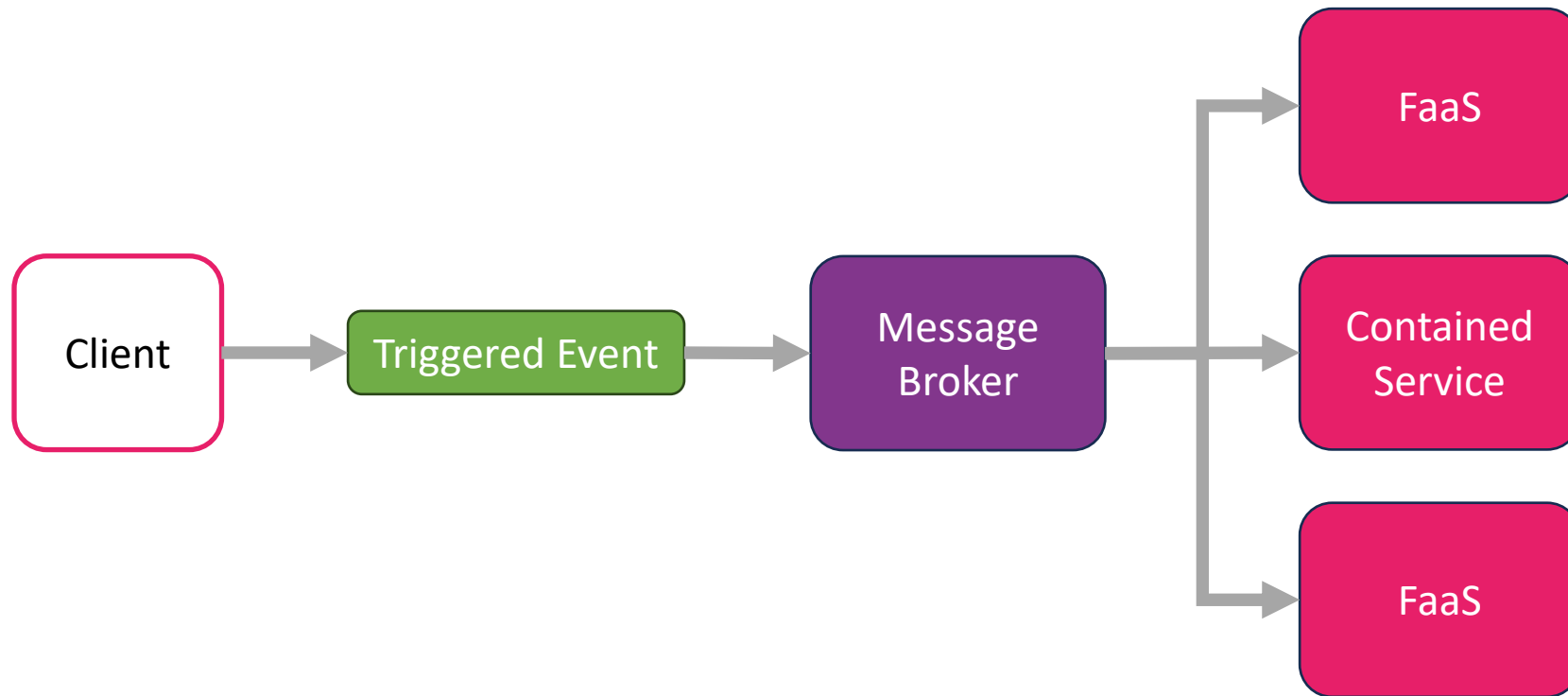
Robust API



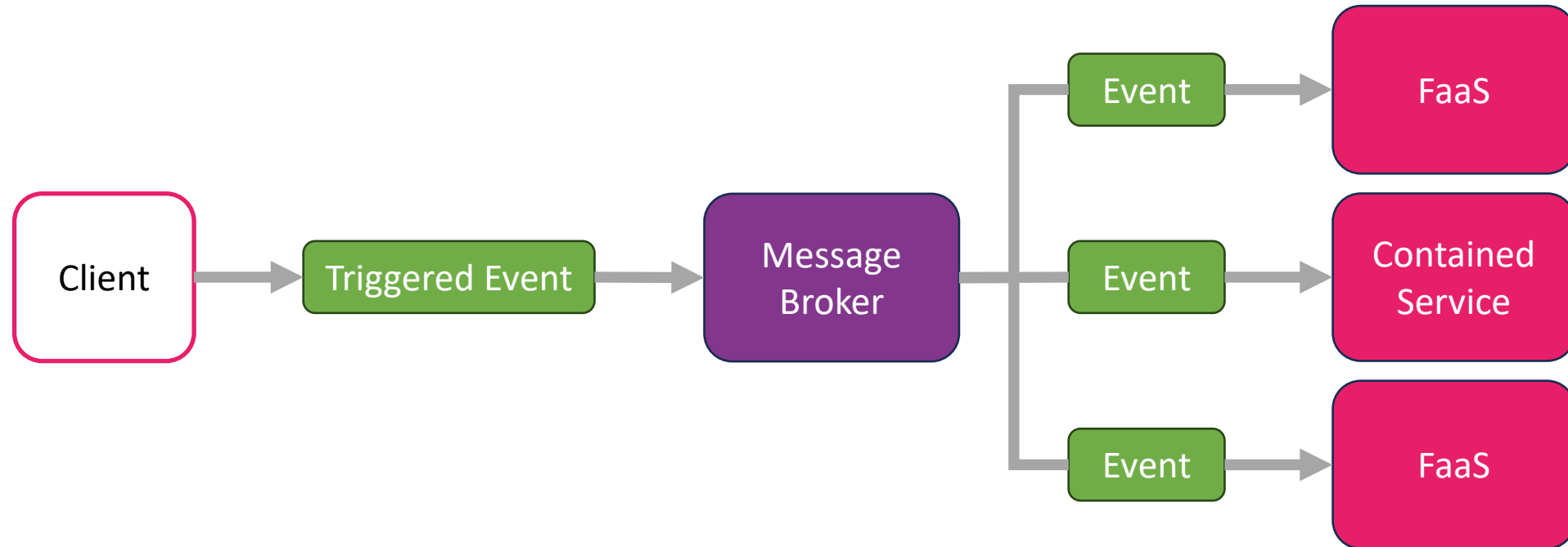
Robust API with Aggregation



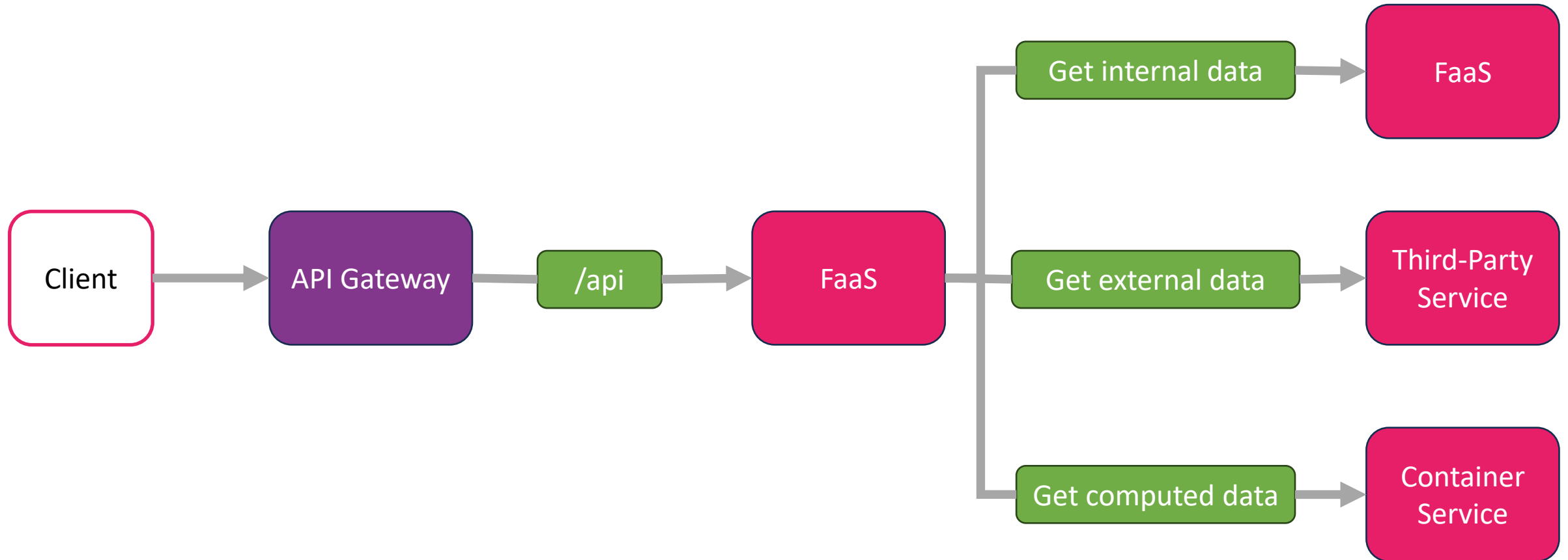
Decoupled Messaging



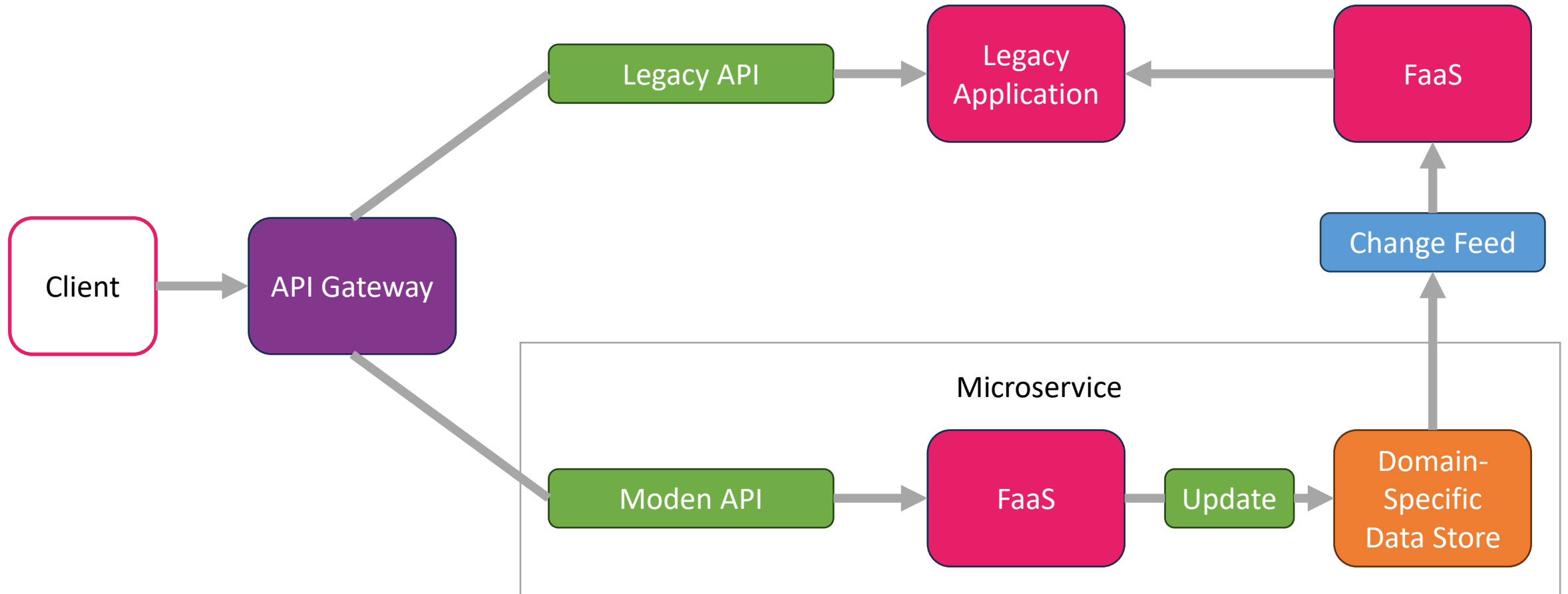
Publish/Subscribe



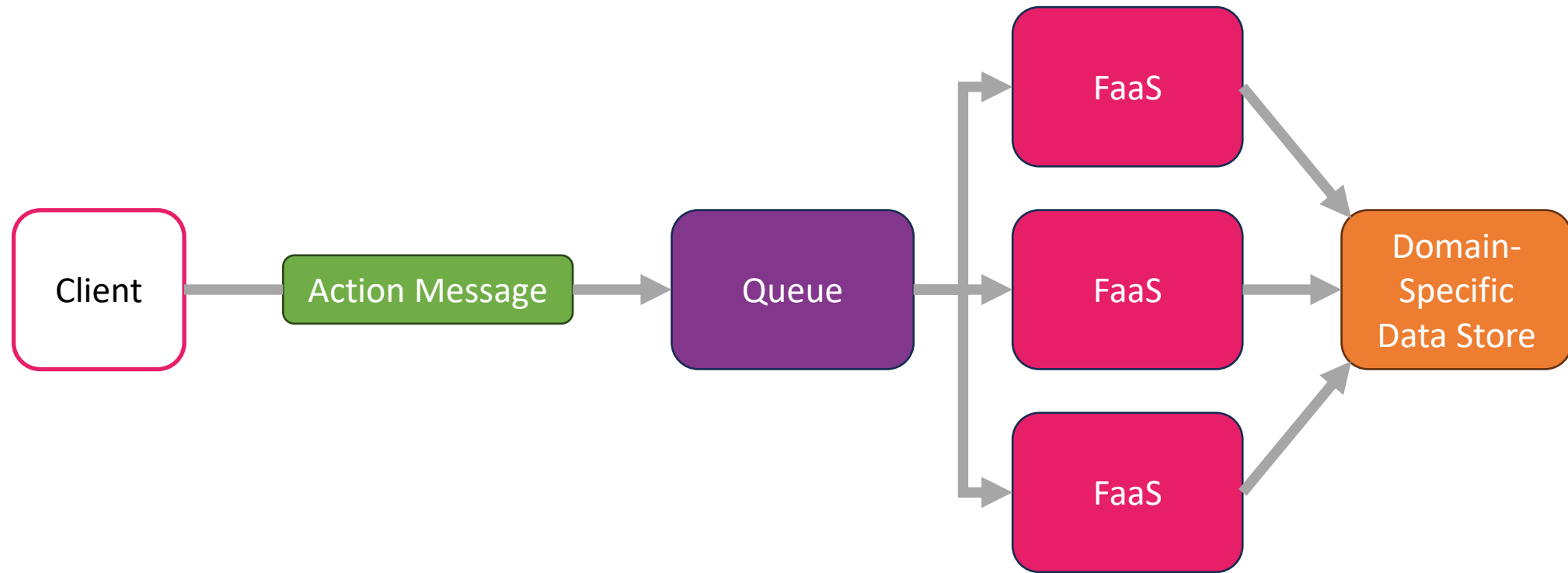
Aggregation



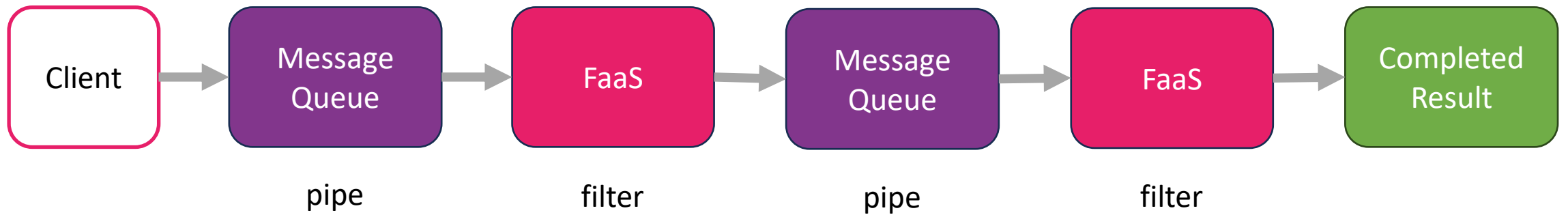
Strangler



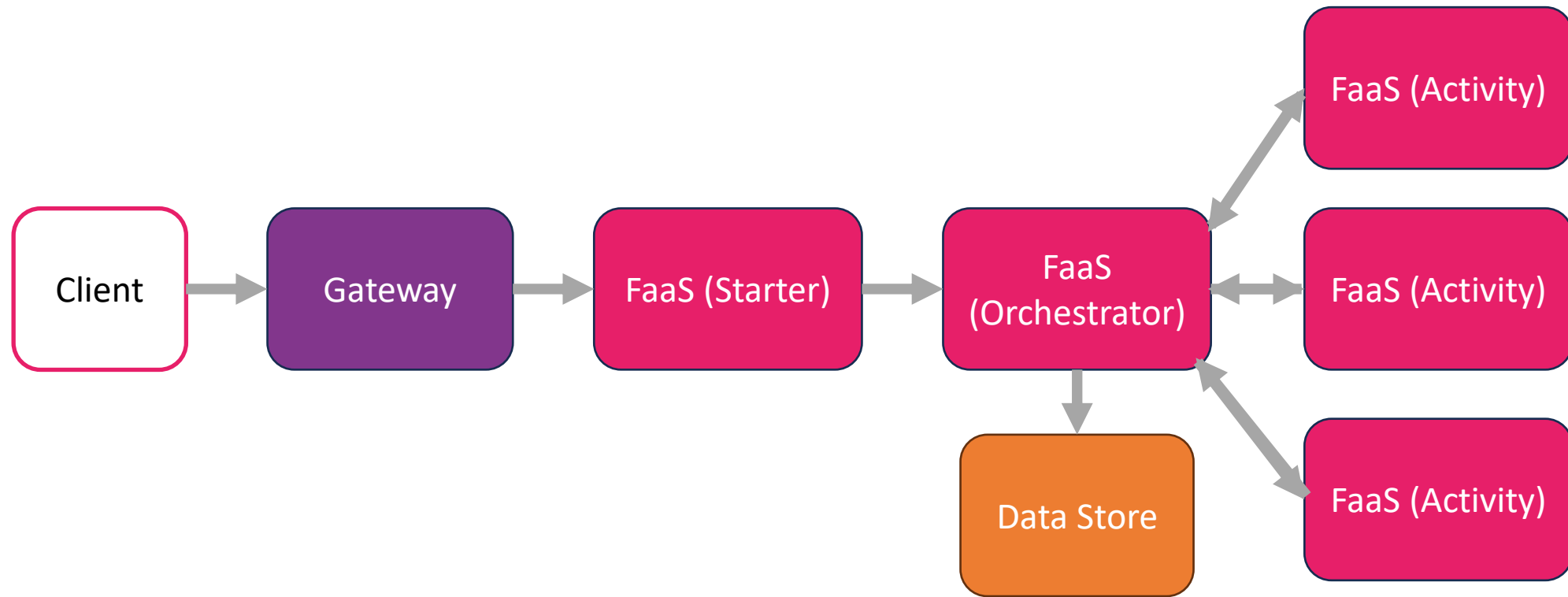
Queue-Based Load Leveling



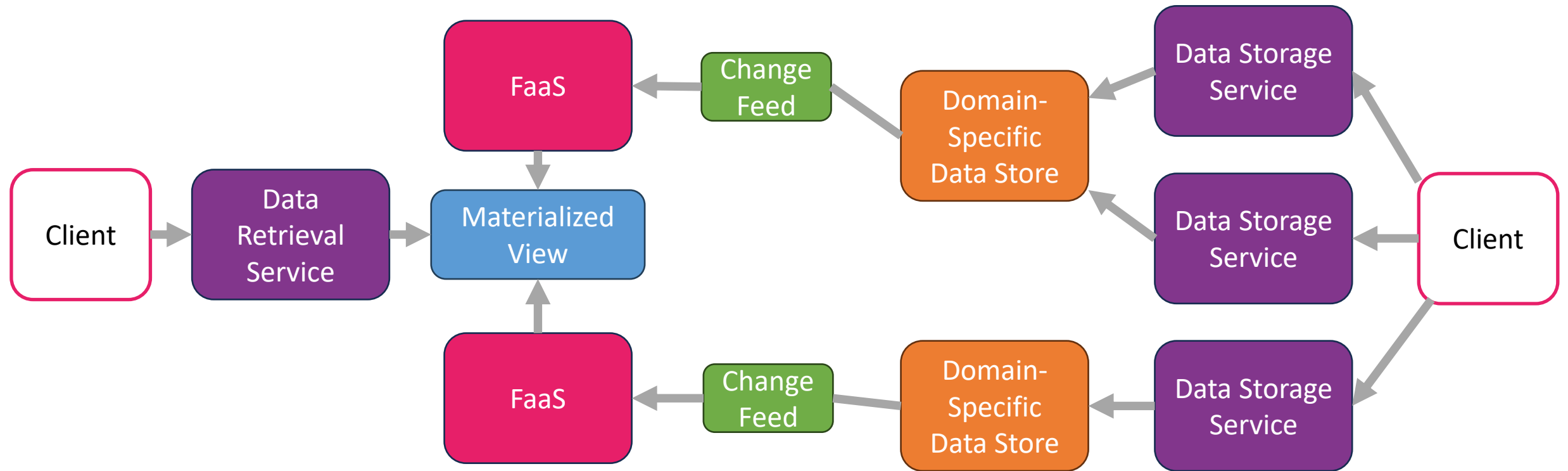
Pipes and Filters



Fan-Out/Fan-In



Materialized Views



Serverless Best Practices

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Crack the Code to Scalability

Serverless Best Practices

- Stay focused
- Handle errors
- Observe what's going on
- Test, test, and test again
- Optimize costs
- Engage shields
- Log and trace
- Versioning and Deployment

Serverless Best Practices

Stay Focused

Handle Errors

Observe What's
Going On

Test, Test, and
Test Again

Optimize Costs

Engage Shields

Log and Trace

Versioning and
Deployment

Thank You



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ChadwickEGreen

