# Exploring Advanced Micronaut Features
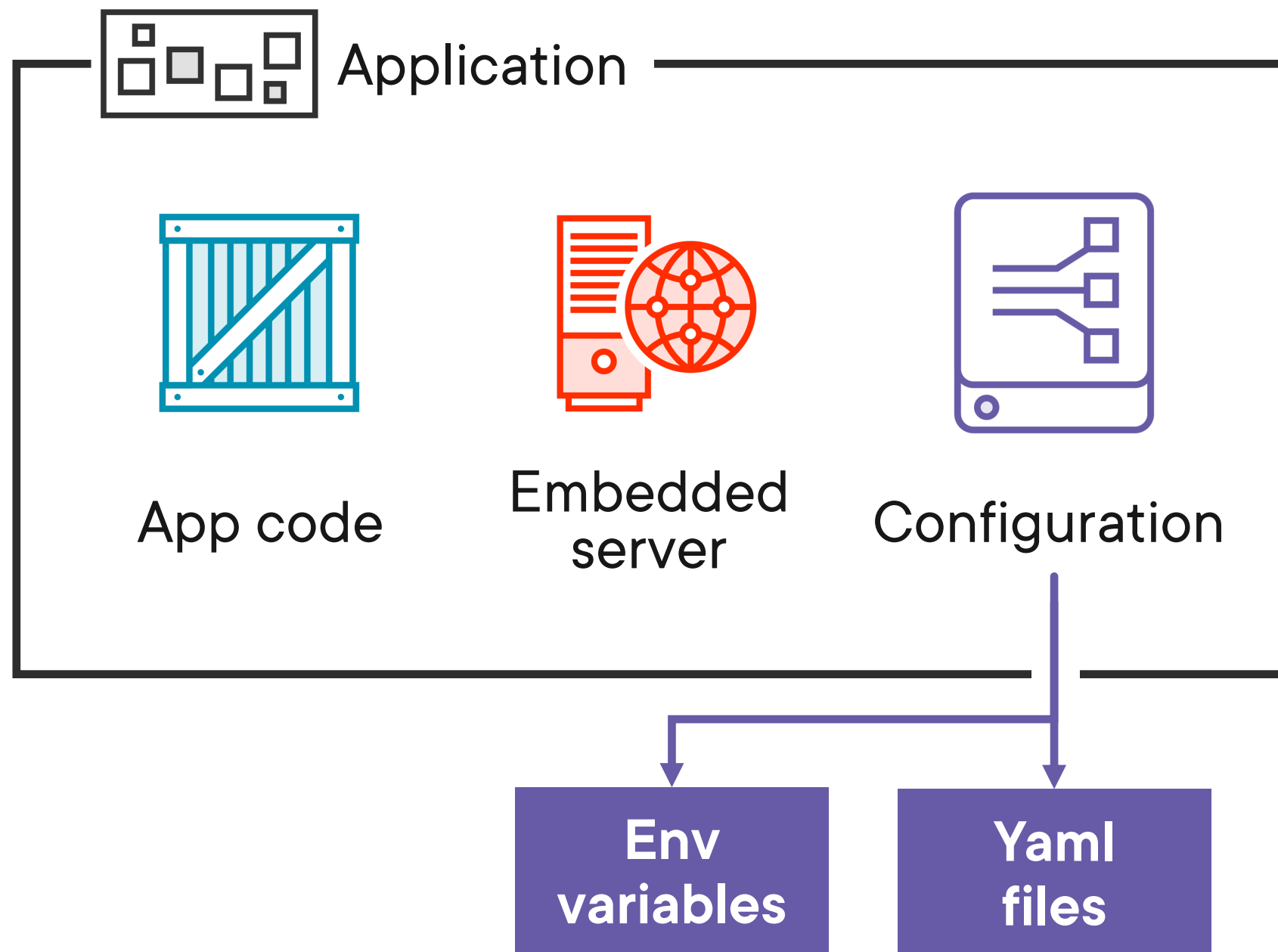
**Bogdan Sucaciu**

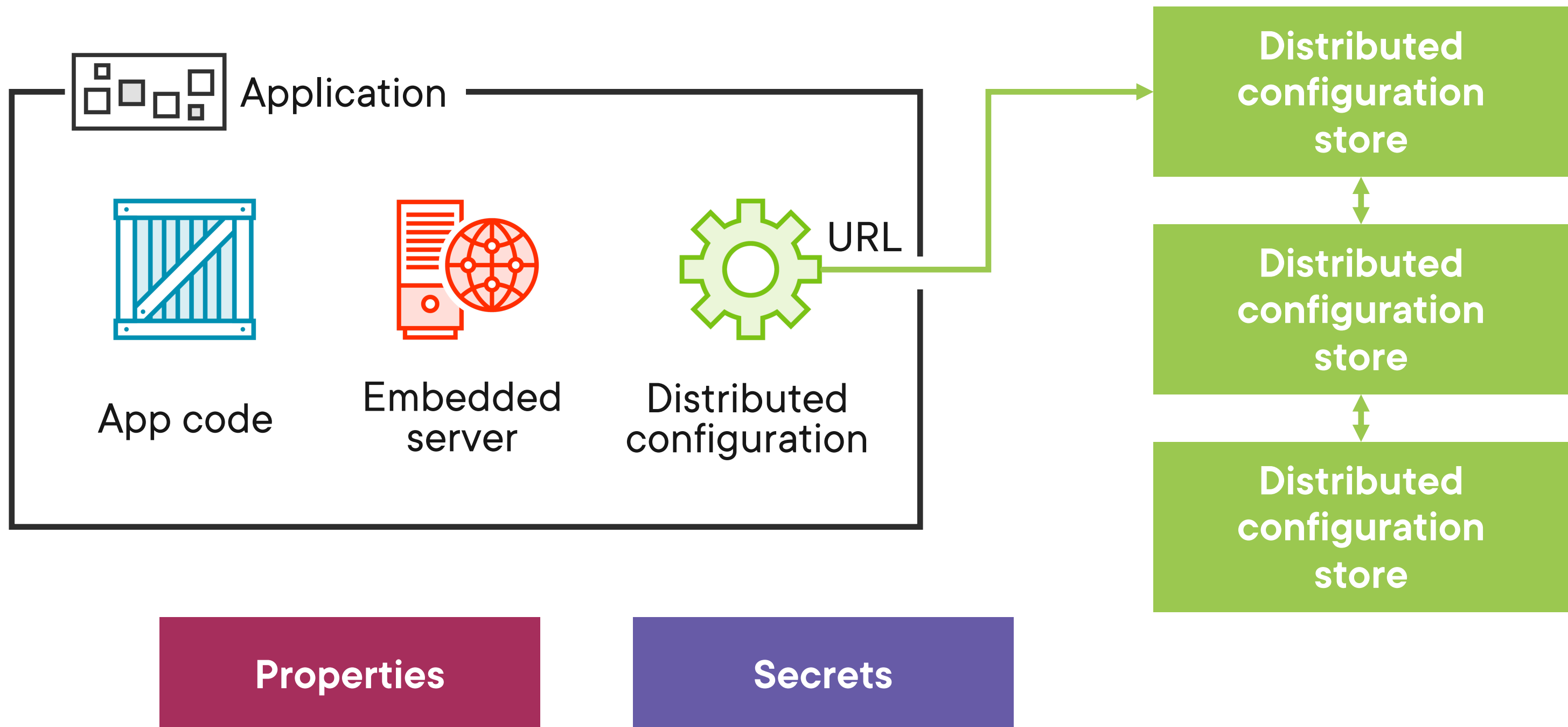Tech Lead

@bsucaciu    bsucaciu.com

# Distributed Configuration

App code

Embedded server

Configuration

**Env variables**

**Yaml files**

# Distributed Configuration



Application

App code

Embedded server

Distributed configuration

URL

Distributed configuration store

Distributed configuration store

Distributed configuration store

**Properties**

**Secrets**

# Distributed Configuration

**HashiCorp Consul**
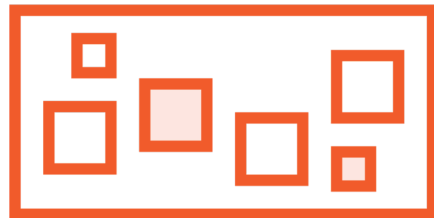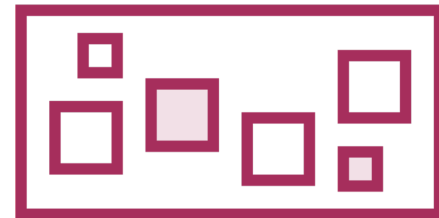
**Spring Cloud Config**

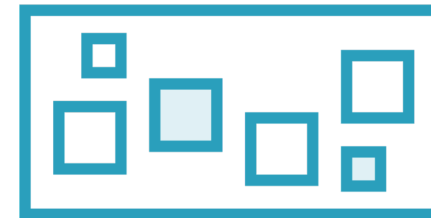**AWS Parameter Store**
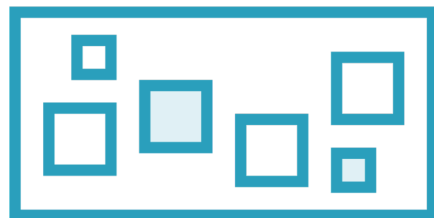
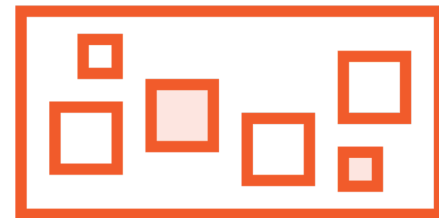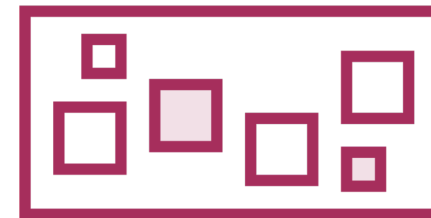**Hashicorp Vault**

**Oracle Cloud Vault**
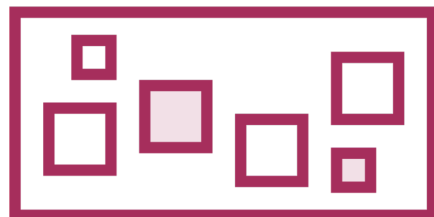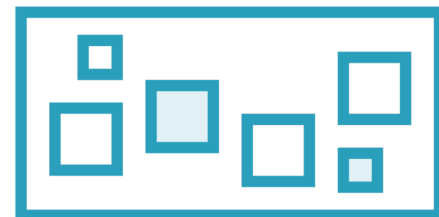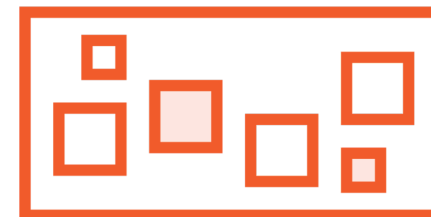
# Service Discovery

# Service Discovery

**Hashicorp Consul**

**Eureka**

**Kubernetes**

**AWS Route 53**

**Manual Service Discovery**

# Client-side Load Balancing

Client

**Service registry**

**Netflix Ribbon**
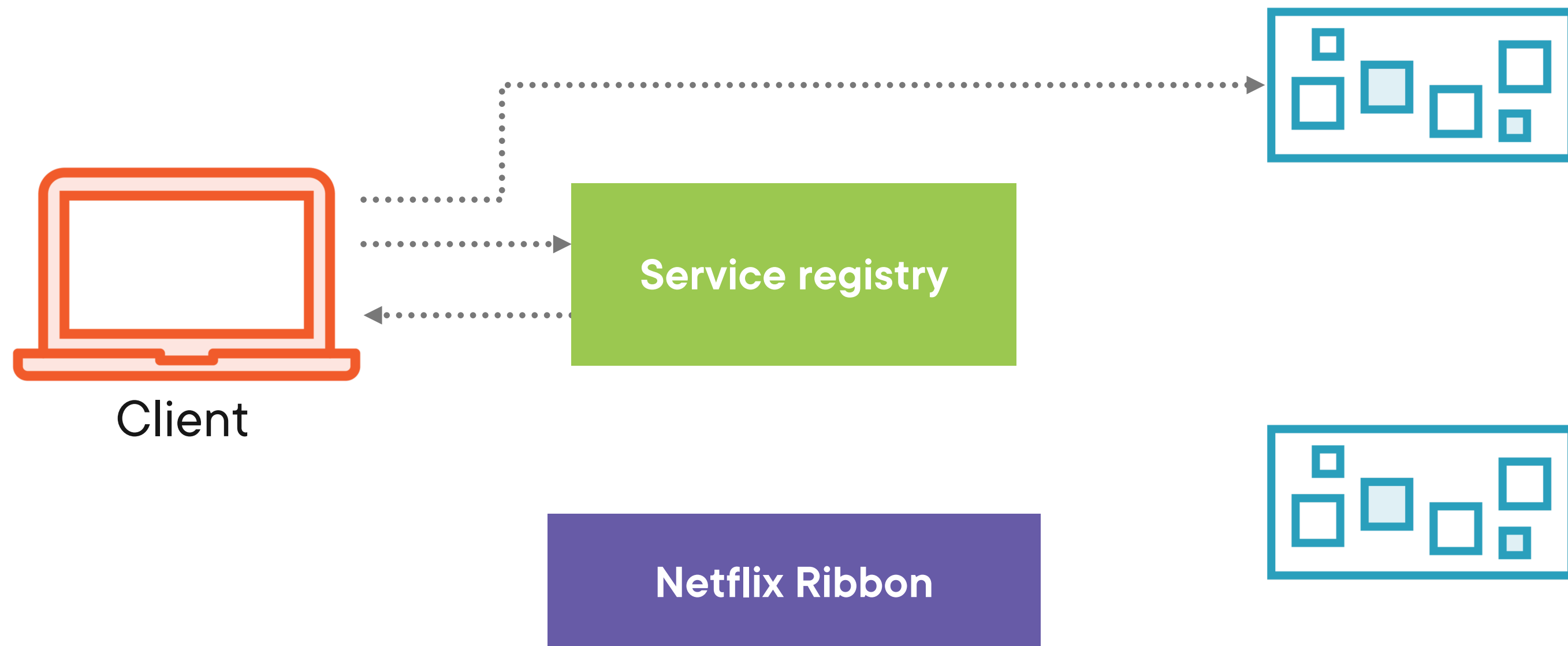
# Distributed Tracing



Zipkin

Jaeger
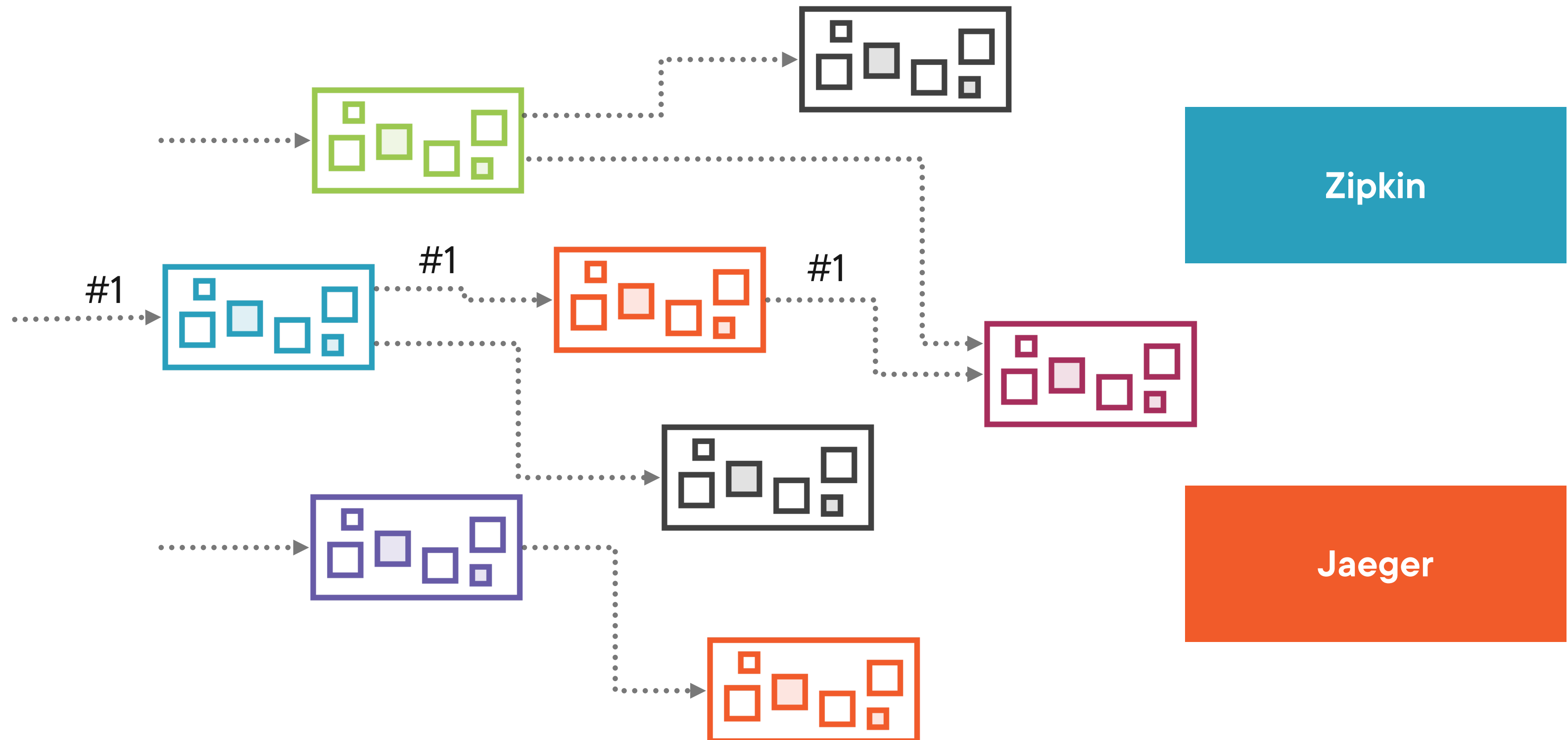
# Serverless Functions



**Monolith**   **Service-oriented Architecture**   **Microservices**   **Serverless Functions**

Memory consumption   Startup time
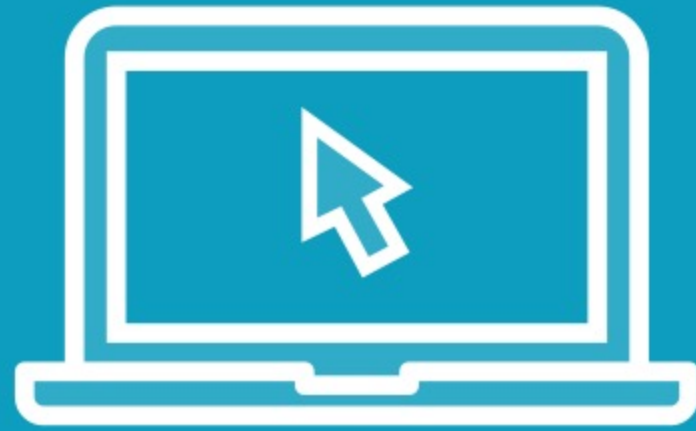
# Serverless Platforms

**AWS Lambda**

**Google Cloud Function**

**Google Cloud Run**

**Azure Function**

# Demo

**Create Micronaut function in Google Cloud Function**

**Prerequisites:**

- Google Cloud account

# Micronaut Security

# Authentication

**Basic authentication**

**Session authentication**

**JSON web token**

**LDAP**

**Custom**

# JSON Web Token

**Signature Validation**

**Token Generation**

**Encryption**

**Claims Generations**

**Claims Validation**
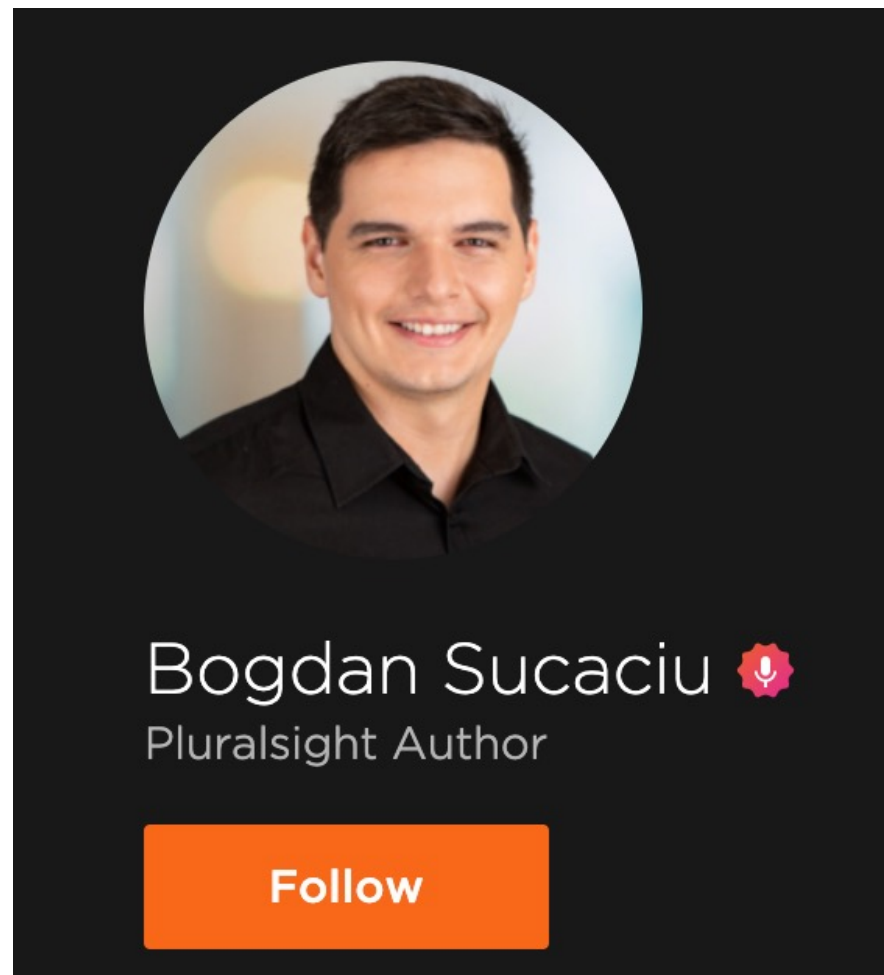
# OAuth 2.0 and OpenID Connect

Okta

Auth0

AWS Cognito

Keycloak

Google

# Get in Touch with Me



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# Join the Micronaut Community
gitter.im/micronautfw