

# Spring Boot

Patrick Baumgartner



# Microservices

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«Service-oriented architecture  
composed of  
loosely coupled elements  
that have  
bounded contexts»

Adrian Cockcroft (former Cloud Architect at Netflix,  
now Technology Fellow at Battery Ventures)

# Cloud Native Applications

# Cloud Native Maturity Model

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## Cloud Native

- Microservice Architecture and Principles
- API first design

## Cloud Resilient

- Design for failure
- Apps are unaffected by dependant service failure
- Proactive testing for failure
- Metrics and monitoring baked in
- Cloud agnostic runtime implementation

## Cloud Friendly

- Twelve Factor App
- Horizontally scalable
- Leverage platform for HA

## Cloud Ready

- No file-system requirements or uses S3 API
- Self contained Application
- Platform managed ports and addressing
- Consume off platform services using platform semantics

# Cloud Native Applications with Spring Boot

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