

# Charlotte Garcia

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LinkedIn | GitHub | Portfolio

## Professional Summary

Mid-Senior Backend Engineer with 6 years of experience designing and scaling distributed systems. Proven expertise in Java, Spring Boot, and Kubernetes, with a track record of optimizing system performance by up to 40% and leading cross-functional technical initiatives. Passionate about building resilient, high-throughput backend services for enterprise-scale applications.

## Professional Experience

### Senior Backend Engineer at TechCorp Solutions

San Francisco, CA | 2020 - Present

- Led migration of legacy monolith to cloud-native microservices architecture using Kubernetes, reducing latency by 30% and improving system uptime to 99.99%
- Designed and implemented distributed caching layer using Redis, improving API response times by 40% for 10M+ daily requests
- Architected event-driven order processing system handling 5,000+ transactions/sec with Kafka and Spring Boot
- Mentored 4 junior engineers on best practices for containerization and CI/CD pipelines

Technologies: Java 11, Spring Boot, Kubernetes, AWS, Docker, Redis, Kafka, Prometheus

### Backend Engineer at InnovateCloud

Seattle, WA | 2018 - 2020

- Developed real-time analytics pipeline processing 2TB/day of IoT data using Spring Batch and Apache Flink
- Implemented automated scaling solution for Kubernetes clusters reducing infrastructure costs by 25%
- Optimized database queries reducing average response time from 450ms to 120ms
- Introduced comprehensive monitoring with Grafana and ELK stack, decreasing MTTR by 60%

Technologies: Java 8, Spring Framework, Kubernetes, PostgreSQL, Flink, Grafana, ELK Stack

## Education

### Bachelor of Science in Computer Science

Stanford University - Stanford, CA | 2017

GPA: 3.8

Relevant Coursework: Distributed Systems, Cloud Computing Architecture, Advanced Algorithms, Database Systems

## Skills

- Java & JVM Optimization
- AWS/GCP Cloud Services
- CI/CD Pipelines
- Microservices Architecture
- Kubernetes Administration
- Database Optimization

## Certifications

- AWS Certified Developer - Associate
- Certified Kubernetes Administrator (CKA)
- Oracle Certified Professional: Java SE 11 Developer