

ALEX SMITH

Software Architect - Senior Java Backend Developer

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EXPERIENCE

FinTech Solutions Inc.

June 2018 – February 2021

Lead Software Engineer — Trading Systems

Singapore

– High-Frequency Trading Platform:

- * Designed low-latency order processing system using Java and Aerospike
- * Implemented real-time risk management system
- * Built monitoring solution using Prometheus and Grafana

– Market Data Processing:

- * Architected distributed market data processing system
- * Developed custom caching solution reducing latency by 40%
- * Led team of 5 engineers implementing FIX protocol integration

Cloud Systems Ltd

January 2016 – May 2018

Software Engineer — Cloud Infrastructure

London, UK

– Container Orchestration:

- * Designed custom Kubernetes operators for automated service deployment
- * Implemented service mesh solution using Istio
- * Developed infrastructure-as-code using Terraform and Ansible

EDUCATION

Imperial College London

2014 – 2015

MSc in Computing Science

London, UK

University of Manchester

2011 – 2014

BSc in Computer Science

Manchester, UK

CERTIFICATIONS

AWS Solutions Architect Professional

December 2023

Amazon Web Services [Verify: XXX-XXX-XXX]

Online

Certified Kubernetes Administrator

March 2022

Cloud Native Computing Foundation

Online

TECHNICAL EXPERTISE

Systems Architecture: Microservices, Event-Driven Architecture, Distributed Systems

Development Practices: Extreme Programming, Behavior-Driven Development, DevSecOps

Performance Engineering: Profiling, Optimization, Low-latency Systems

Team Leadership: Technical Mentoring, Architecture Governance, Agile Methodologies

TECHNICAL SKILLS

Languages: Java (10y), Kotlin (3y), Go (2y), Python (4y)

Frameworks: Spring Boot, Micronaut, Vert.x, gRPC

Data: Kafka, Aerospike, Cassandra, PostgreSQL, Redis

Cloud & Infrastructure: AWS, Kubernetes, Terraform, Istio

Observability: Prometheus, Grafana, Jaeger, ELK Stack