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Summary

Senior Software Engineer with 7+ years of experience designing and building scalable, reliable distributed systems. Expert in Java, Python, and AWS, with deep experience in microservices, cloud infrastructure, and system optimization. Proven ability to lead design discussions, mentor peers, and deliver impactful, high-performance software solutions.

Technical Skills

Languages: Java, Kotlin, Python, Go

Cloud & Infrastructure: AWS (S3, EC2, ECS, Lambda, DynamoDB), Docker, Kubernetes, Terraform Messaging &

Streaming: Kafka, SQS, Kinesis

Databases: MySQL, DynamoDB, Redis

Tools: Git, GitHub, JIRA, CI/CD Pipelines, IntelliJ, Eclipse

Methodologies: Agile, Scrum, Test-Driven Development, Distributed Systems

Professional Experience

Senior Software Engineer — FIS | June 2025 – July 2025

- Built explainability and compliance framework with SHAP, bias detection, and drift monitoring in Amazon SageMaker, meeting model risk standards that facilitated a multi-million-dollar fintech deal around fraud detection
- Optimized alarm configurations to increase system reliability and interpretability in fraud detection pipelines

Software Engineer II — Amazon | July 2022 – April 2025

- Led HLD/LLD reviews with 20+ engineers for architecture alignment of seller-facing shipment tracker systems
- Designed and implemented Kotlin-based microservices managing digital shipping assets (labels, manifests)
- Optimized carton label assignment API, reducing latency by 16× (5s → 300ms) through AWS S3 fetch optimization

Software Engineer I — Amazon | August 2020 – July 2022

- Designed and delivered Java-based recommendation service for pallet creation to improve warehouse efficiency
- Completed AWS service with 100% unit test coverage and robust integration tests ahead of schedule
- Led major refactor improving maintainability and enabling future feature development across stow services

Software Engineer — Ciena | September 2017 – June 2020

- Conducted runtime analysis and performance tuning, decreasing overall runtime by 30%
- Delivered full lifecycle features for platform services within distributed networking systems

Education

B.Eng, Software Engineering — Carleton University, Ottawa, Ontario (May 2017)

- Capstone Project: Autonomous Smart Home utilizing Machine Learning for adaptive behavior learning
- Carleton Engineering Entrance Scholarship — \$4000 awarded for academic excellence

Leadership & Collaboration

- Mentored interns and new hires; mentees received offers or promotions within one year
- Served as Scrum Master, leading sprint planning and driving Agile processes