

RANDAL L KAMRADT

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PROFESSIONAL SUMMARY

Lead Principal Software Engineer and Enterprise Architect with 25+ years of progressive experience designing and delivering scalable, distributed systems. Self-taught technologist with deep expertise in microservices architecture, event-driven systems, and cloud-native platforms, and a practitioner of AI-first software development, using agentic AI tools such as Claude Code to build features, fix defects, and automate deployment infrastructure. Proven track record architecting mission-critical systems for retail, financial services, and cryptocurrency platforms handling hundreds of thousands of transactions monthly. Expert in establishing technical standards, mentoring engineering teams, and helping developers adopt AI-assisted engineering practices.

TECHNICAL EXPERTISE

AI-Assisted Engineering: Claude Code, Anthropic API, agentic coding workflows, AI-driven infrastructure automation, prompt and context design

Languages & Frameworks: Java (Expert), Python (Expert), JavaScript/Node.js, React, Scala, WebFlux/Spring, Axon Framework

Architecture Patterns: Microservices, CQRS/Event Sourcing, RESTful APIs, Event-Driven Architecture, Domain-Driven Design

Cloud & Infrastructure: AWS (EKS, EC2, S3, Lambda), Kubernetes, Helm, Docker, ArgoCD, Terraform, GitOps

Data & Messaging: Kafka, Axon, MongoDB, Elasticsearch, Redis, PostgreSQL, Event Streaming

DevOps & Observability: Jenkins, ArgoCD, CI/CD Pipelines, Automated Smoke Testing, DataDog, Micrometer, Prometheus

Security & Integration: OAuth2, OpenID Connect, API Gateway, Service Mesh

PROFESSIONAL EXPERIENCE

COINME | Remote

Lead Principal Software Engineer | April 2021 - October 2026

Led architectural design and implementation of a scalable microservices platform supporting retail cryptocurrency kiosks and enterprise SaaS solutions processing hundreds of thousands of transactions monthly. Provided technical leadership for development teams of 3-8 engineers, establishing engineering best practices, architectural standards, and AI-first development practices.

Key Achievements:

- Adopted an AI-first development workflow, delivering enhancements and bug fixes by specifying requirements and issues in natural language and directing Claude Code to implement the changes end to end
- Built AI-enabled deployment automation in which Claude Code operates on the Helm chart suite to onboard new services, promote services between environments, and create complete new environments from existing ones
- Implemented scheduled smoke-test suites that run periodically in lower environments to verify core services, catching regressions early and before promotion
- Presented internally on AI-assisted development with Claude Code (“Explore, Direct, Confirm”), including a live demonstration of AI-driven Helm chart promotion
- Architected and contributed to 40+ of 80+ production microservices supporting retail and SaaS cryptocurrency platforms with high availability and reliability requirements
- Led strategic architectural initiative to split monolithic retail services into distinct retail and SaaS service domains, enabling rapid SaaS product expansion and independent scalability
- Established comprehensive GitOps deployment framework using ArgoCD and Kubernetes (EKS), standardizing deployment processes across all microservices and improving deployment reliability
- Designed event-driven architecture using Kafka and Axon Framework implementing CQRS patterns, enabling real-time transaction processing and eventual consistency across distributed systems

- Implemented code review and merge request processes that became standard practice across engineering organization, improving code quality and knowledge sharing
- Architected observability strategy using DataDog and Micrometer, providing comprehensive monitoring and alerting across distributed microservices ecosystem
- Built projection systems using Elasticsearch and MongoDB for optimized read models, significantly improving query performance for customer-facing applications
- Mentored engineers on modern architectural patterns, event sourcing, reactive programming, cloud-native development, and AI-assisted coding practices

Technologies: Java, Python, Claude Code, AWS (EKS, Lambda, S3), Kubernetes, Helm, ArgoCD, Kafka, Axon, MongoDB, Elasticsearch, Redis, DataDog, Spring WebFlux

STARBUCKS | Seattle, WA

Senior Software Engineer | July 2018 - April 2021

Delivered backend services supporting Starbucks mobile ordering and loyalty systems serving millions of daily users. Focused on Java/Scala microservices development and continuous delivery automation.

Key Achievements:

- Developed and maintained backend services for mobile app ordering system, handling high-volume transaction processing for nationwide retail operations
- Built loyalty system integrations enabling personalized customer rewards and promotional campaigns
- Created Jenkins CI/CD pipelines for automated testing and deployment, reducing deployment time and increasing release frequency
- Collaborated with cross-functional teams to deliver features supporting business initiatives and customer experience improvements

Technologies: Java, Scala, Spring, Jenkins, Kubernetes, AWS, Microservices

LEVEL 11 (Equinix) | Remote

Senior Software Engineer | November 2015 - March 2018

Architected backend systems for wearable technology platform focusing on security, automation, and cloud infrastructure.

Key Achievements:

- Designed and implemented OAuth2 authentication and authorization infrastructure for wearable device platform
- Built automated build and deployment pipelines, enabling rapid iteration and continuous delivery
- Migrated legacy systems to Kubernetes container orchestration platform, improving scalability and resource utilization
- Established automated testing frameworks ensuring reliability of device integration services

Technologies: Java, OAuth2, Kubernetes, CI/CD, AWS

F5 NETWORKS | Remote

Software Engineer (Contract) | May 2015 - November 2015

Key Achievements:

- Developed software update delivery system for F5 products, ensuring reliable distribution to enterprise customers
- Trained corporate development teams on reactive programming principles and patterns in Java
- Implemented asynchronous processing patterns improving system responsiveness and throughput

Technologies: Java, Reactive Programming, Software Distribution Systems

JDA SOFTWARE (Blue Yonder) | Scottsdale, AZ

Full-Stack Java Developer | June 1998 - January 2015

Delivered mission-critical financial planning and supply chain management software for aerospace industry clients during 16+ year tenure through multiple company acquisitions (Western Data Systems → Manugistics → JDA Software).

Key Achievements:

- Pioneered adoption of automated build systems using Jenkins, dramatically improving build reliability and developer productivity across organization
- Architected integration layer between modern Java applications and legacy COBOL planning systems, enabling gradual modernization strategy
- Led multi-year initiative replacing legacy COBOL system with full-stack Java solution featuring JEE backend and Vaadin JavaScript frontend
- Delivered financial planning and supply chain optimization software used by major aerospace manufacturers
- Provided technical leadership through three company acquisitions, maintaining system stability and team continuity

Technologies: Java, JEE, Vaadin, COBOL Integration, Jenkins, Financial Systems

INDEPENDENT PROJECTS & WRITING

- **ArchitectAI:** Declarative SDLC platform (React + Spring Boot) exploring AI-driven software design and delivery
 - **Personal cloud platform:** Self-hosted K3s cluster with ArgoCD GitOps, Kafka, MongoDB, Auth0, and Cloudflare tunnels, used to build and run AI side projects, including tools built on the Anthropic API
 - **Technical writing:** Published articles on AI-assisted development in Level Up Coding on Medium, along with articles on a range of other topics in other Medium publications
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EDUCATION

Self-Taught Software Engineer | Continuous learning through hands-on experience, technical literature, online courses, and open source community engagement

PROFESSIONAL ATTRIBUTES

- **AI-First Practitioner:** Applies agentic AI tools daily to development and operations, and teaches others to direct them effectively and safely
- **Continuous Learner:** Constantly exploring emerging technologies, architectural patterns, and engineering practices to drive technical innovation
- **Technical Mentor:** Passionate about sharing knowledge and developing engineering talent through code reviews, pairing sessions, and architectural discussions
- **Pragmatic Architect:** Balances architectural purity with practical business needs and delivery timelines
- **Problem Solver:** 25+ years of solving complex technical challenges through self-directed learning and experimentation