

Ramakrishna Sayee Meka

TECH LEAD / SENIOR SOFTWARE ENGINEER

Seattle, WA

sayee.meka@gmail.com

github.com/rameka

linkedin.com/in/ramakrishnasayee

Senior Software Engineer and Tech Lead with 8 years building Tier-1 distributed systems and modern frontends. Led the unification of Nordstrom's fragmented inventory systems into OVI, a single source of truth for every SKU state change, handling 5M+ events daily at 99.99% availability, designed for low latency and horizontal scalability. Built event driven platforms on Apache Kafka and micro-frontends serving 15,000+ dealerships, and is passionate about distributed systems, scalability, and AI engineering.

— SKILLS

Languages

Java, Python, JavaScript, C#, SQL, Kotlin, Groovy

Backend & APIs

Spring Boot, Spring Security, Apache Kafka, Kafka Streams, Node.js, REST, gRPC, Swagger/OpenAPI, Hibernate/JPA, Microservices, Resilience4j, JUnit

Frontend

React, Redux, Angular, RxJS, Micro-Frontends, HTML/CSS

Cloud & DevOps

AWS, Kubernetes, OpenShift, Docker, Helm, Terraform, Vault, Kong API Gateway, GitHub Actions, GitLab CI

Data & AI

PostgreSQL, Oracle, MySQL, Redis, DynamoDB, MongoDB, Elasticsearch, Spark, Flink, Apache Airflow, OpenAI GPT, LLMs

Observability

Datadog, New Relic, Splunk, Prometheus, Grafana, OpenTelemetry

Practices

System Design, Distributed Systems, Scalability, High Availability, Low Latency, Event-Driven Architecture, Caching, CI/CD, Agile/Scrum

— EDUCATION

M.S. Computer Science

Syracuse University, NY · GPA 3.50 · 2018

B.S. Computer Science

JNTU Hyderabad (VNR VJIET), India · GPA 3.72 · 2015

— RECOGNITION

Best in Show — Cox internal hackathon (Hot Deals widget, later productionized).

— EXPERIENCE

Senior Software Engineer, Tech Lead · Nordstrom

Aug 2022 – Apr 2026

Seattle, WA

- Led the unification of five inventory systems (WIT, EIS, marketplace, store ledger, dropship) into the **OVI platform**, a single source of truth across **10 warehouses, 950+ stores, and 1000+ vendors** for 10+ downstream teams, architected for high availability and horizontal scalability.
- Routed and secured all OVI API traffic through **Kong API Gateway**, enforcing rate limiting, throttling, and per-consumer authentication, with OAuth 2.0, JWT, and Okta SSO for service-to-service auth.
- Authored **20+ Apache Airflow jobs** (Python DAGs with custom operators, retries, and lineage tracking) orchestrating the audit flows, initial loads, and data pipelines for the OVI platform.
- Engineered the Cache Comparison Service validating the EIS-to-OVI migration against a **200M+ record Redis cache at a 99.5%+ match rate**, enabling a low-latency, zero-downtime cutover across **200+ locations** with instant fallback.
- Cut query latency **100-300x** (5-15s to sub-40ms) while sustaining **95K TPM** throughput, via indexing, caching, and fixing aggregation anti-patterns; instrumented 30+ metrics with OpenTelemetry, New Relic, and Datadog.
- Designed Avro schemas for **40+ Kafka event types** in a high-throughput, event-driven architecture; deployed Spring Boot services on Kubernetes/OpenShift with autoscaling, circuit breakers, idempotency, and DLQ handling for resilience at scale.
- Created a **Text-to-SQL chatbot** on OpenAI GPT for self-serve inventory queries across MySQL, PostgreSQL, and MariaDB, cutting on-call support and ad-hoc data requests.
- Devised a Transfer Reconciliation system, writing the detection and reconciliation logic that surfaced **~\$65M** in annual retail loss variance, and onboarded 5+ teams onto the workflow.
- Introduced a dynamic matrix CI/CD pattern replacing 12+ static jobs, adopted as the org's GitLab to GitHub migration template.

Software Engineer II · Nordstrom

Dec 2020 – Jul 2022

Seattle, WA

- Architected the **WIT real-time streaming platform** on Apache Kafka, the high-throughput ledger of record for stock on hand; re-architected as WIT 2.0 for banner-level tracking, scaling to **1M+ daily transactions**.
- Pioneered a multi-schema architecture for a distributed transaction system, horizontally scaling to **50K TPM** through partition management for controlled facility onboarding.
- Stood up a serverless observability platform on AWS Lambda streaming to Splunk and New Relic, adopted as the standard across engineering teams.

Software Engineer I · Nordstrom

Jan 2020 – Nov 2020

Seattle, WA

- Built the system of reference for warehouse transactions and SKU state changes; the audit service contributed to a **\$10M+ annual reduction** in inventory shrinkage.
- Migrated 8 services from Datadog to New Relic, establishing standardized dashboards and alerting.

Software Engineer · Cox Automotive

Jul 2018 – Dec 2019

Dallas, TX

- Delivered a multi-tenant **micro-frontend** (React, Redux, Angular, Node.js) serving **15,000+ dealerships** from a single codebase with dealer level customization and canary rollouts.
- Integrated Angular and React front ends with Java/Spring Boot REST APIs and polyglot C#, .NET, and Node.js services driving incentive evaluation and vehicle promotion surfacing.
- Reduced widget re-render time by 50% with React portals, smoothing responsiveness across dense inventory grids.