

SUMMARY

Software Engineer with 4+ years of experience designing scalable full-stack applications, distributed systems, and cloud-native platforms using Java, C#, Spring Boot, React, and AWS. Passionate about building reliable, AI-powered software, developer tools, and intelligent automation that improve engineering productivity and customer experiences.

EDUCATION

University of Florida, Gainesville, FL
Master of Science in Computer and Information Sciences

Aug 2023 - May 2025
CGPA: 3.83

TECHNICAL SKILLS

Programming Languages: Java, Python, C#, JavaScript, TypeScript, SQL

Frontend: React.js, HTML5, CSS3, Aurelia

Backend: Spring Boot, .NET, REST APIs, Microservices, Node.js, Express.js

Cloud & DevOps: AWS (EC2, S3, Lambda, API Gateway, Athena, Redshift, CloudWatch), Azure (App Services, Functions, Storage, Azure SQL), Docker, Kubernetes, Jenkins, Kafka, CI/CD

Databases: PostgreSQL, MySQL, MongoDB, Redis

AI & Generative AI: LLMs, Agentic AI, Prompt Engineering, AI-powered Applications, GitHub Copilot • Retrieval-Augmented Generation (RAG), AI-assisted Software Development

Engineering: Data Structures & Algorithms, Object-Oriented Design, Distributed Systems, System Design, CI/CD, Performance Optimization, Secure Software Development

Certification: AWS Solutions Architect - Associate

PROFESSIONAL EXPERIENCE

Rokt US Corp | Software Engineer-II

Aug 2025 – Aug 2026

- **Architected and developed scalable full-stack platform capabilities** using **React, TypeScript, C#/.NET, SQL, and REST APIs**, enabling enterprise customers to efficiently manage customer identity, audience segmentation, and campaign configuration.
- **Engineered AI-powered audience generation workflows** using **LLM orchestration, prompt engineering, and backend validation services**, enabling natural language-driven audience creation while improving productivity and reducing manual configuration effort.
- **Designed and implemented distributed backend services and RESTful APIs** supporting customer onboarding, identity resolution, audience expansion, and partner integrations, ensuring reliable, scalable, and low-latency data processing.
- **Built reusable frontend components and shared application modules** powering audience management, Event Match Quality (EMQ), customer onboarding, and campaign workflows, accelerating feature delivery and improving code maintainability.
- **Improved application reliability and performance** by optimizing API execution, SQL queries, caching strategies, and asynchronous processing, reducing latency and supporting high-volume customer workloads.
- **Enhanced production observability** through structured logging, diagnostics, telemetry, and proactive debugging, enabling faster issue resolution and improving platform stability.
- **Implemented secure platform capabilities** using **role-based access control (RBAC), feature flags, deployment automation, and workspace-level access management**, supporting safe feature rollouts across enterprise customers.
- **Partnered with product managers, designers, and cross-functional engineering teams** to deliver production-ready software, conduct code reviews, and continuously improve engineering quality through Agile development practices.

Optum Global Solutions | Software Engineer

Nov 2022 – July 2023

- **Developed scalable enterprise web applications** using **Java, Spring Boot, Adobe Experience Manager (AEM), JavaScript, HTML5, and CSS3**, delivering secure digital experiences for high-volume health insurance platforms.
- **Designed and implemented Spring Boot microservices and RESTful APIs**, integrating **Kafka-based asynchronous messaging** to enable reliable, distributed transaction processing and seamless backend communication.
- **Built reusable frontend components, dynamic forms, and secure OAuth-based integrations**, improving application maintainability, accelerating feature delivery, and enhancing user experience across multiple enterprise modules.
- **Automated CI/CD pipelines** using **Jenkins, Docker, Kubernetes, Maven, JUnit, and Mockito**, improving deployment efficiency, release quality, and development productivity through continuous integration and automated testing.
- **Enhanced production reliability** through **Kibana monitoring, log analysis, SQL optimization, performance tuning, and root cause analysis**, collaborating across Agile teams to deliver secure, production-ready software.

- **Designed and developed scalable Java-based backend services and RESTful APIs** using **Spring Boot**, implementing business logic, request validation, SQL optimization, and cloud-native integrations supporting enterprise applications.
- **Built responsive full-stack applications** using **React, JavaScript, HTML5, CSS3, and Java**, delivering intuitive user experiences while integrating backend services and reusable application components.
- **Engineered cloud-native solutions using AWS (S3, Lambda, Athena, Redshift, EC2, and CloudWatch)**, enabling scalable data processing, application modernization, and reliable cloud infrastructure.
- **Automated CI/CD pipelines using Jenkins** while improving application performance, participating in code reviews, debugging production issues, and collaborating within Agile teams to deliver secure, high-quality software.

PROJECTS

AI Financial Research Analyst | Java, Spring Boot, React, OpenAI, LangChain4j, RAG, ChromaDB, PostgreSQL, Docker

- **Designed and developed scalable Java-based backend services and RESTful APIs** using **Spring Boot**, implementing business logic, request validation, SQL optimization, and cloud-native integrations supporting enterprise applications.
- **Engineered scalable REST APIs** integrating **LangChain4j, ChromaDB, and semantic search** to deliver context-aware responses with source attribution and reduced hallucinations.
- **Containerized the application using Docker** and implemented secure authentication, document indexing, and conversational AI to support enterprise-scale knowledge discovery.

Enterprise Knowledge Assistant | Java, Spring Boot, React, OpenAI, LangChain4j, ChromaDB, Docker

- **Built an enterprise knowledge assistant** leveraging **LLMs, RAG, and semantic search** to enable conversational search across technical documentation, policies, and internal knowledge bases.
- **Implemented document ingestion, vector embeddings, and contextual retrieval** using **LangChain4j and ChromaDB**, improving knowledge accessibility and developer productivity.

Designed responsive React interfaces and Spring Boot services with secure authentication, conversation history, and Dockerized deployment for scalable enterprise usage.

Real-Time Fraud Detection & Transaction Monitoring | Java, Spring Boot, Kafka, Redis, PostgreSQL, Docker, AWS

- **Designed and implemented an event-driven fraud detection platform** using **Spring Boot, Kafka, Redis, and PostgreSQL**, processing real-time financial transactions through asynchronous messaging pipelines.
- **Developed configurable fraud detection services** applying transaction validation, rule-based anomaly detection, and resilient retry mechanisms to improve reliability and fault tolerance.
- **Built scalable microservices and monitoring capabilities** with Docker and AWS, enabling low-latency transaction processing, observability, and distributed system reliability.