

Sai Teja Sirivolu

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SUMMARY

Software Engineer with 5+ years of experience building cloud-native micro-services using Java 17, Spring Boot, and GCP/AWS. Skilled in event-driven architectures, distributed systems, and containerized deployments with a test-first, security-conscious mindset. Collaborated with Product and QA teams in Agile sprints to deliver testable, developer-ready stories aligned with business needs.

PROFESSIONAL EXPERIENCE

➤ **The Home Depot - Senior Software Developer** | Remote | *Associate Order Fulfillment* Aug 2023 – Present

- Engineered and scaled Home Depot's in-store order fulfillment within retail supply chain domain across nationwide stores of 2400 by building cloud native applications using Java and Spring Boot microservices, resulting in a 60% increase in store associate efficiency and there by enhanced customer satisfaction based on continuous associate feedback and iterations.
- Contributing to architectural decisions, developed and launched asynchronous, gRPC-based applications that enriched customer order data with detailed product and inventory information. These efforts led to a 40% improvement in order accuracy.
- Served as SME for operational dashboards, visualized weekly productivity metrics which was a key tracker for product team.
- Deployed server-less applications in cloud run and stateful applications using Enterprise Kubernetes, Terraform, Docker, performed scheduled release cadence (CI/CD) to deploy applications across the OFA space, by collaborating with 25+ engineers.
- Practiced test driven development including destructive testing to ensure robust functionality and seamless integration, achieving a 95% reduction in post-deployment issues. Implemented robust security measures, resulting in a 30% decrease in security vulnerabilities and ensuring a secure and reliable user experience.
- Owned end to end service integrations across store order systems; acted as SME for integration flows and data pipelines. Participated in production support/on-call rotations for incident resolution. Created PagerDuty/Slack alerts for monitoring.

Environment: Java 17, Spring boot, GCP Pub-sub, Redis, gRPC, Google Spanner database, Angular 14, Node JS, GoLang, Github actions, Grafana, SQL queries in Google big query, terraform, Kubernetes, Cloud storage, React, SOAP, XML, Agile, Scrum.

➤ **BEST BUY – Full Stack Developer** | Minneapolis | *Marketing Tech Team* Mar 2021 – July 2023

- Integrated streaming infrastructure in marketing apps using Reactive Java, Spring web-flux, Kafka, and AWS SNS/SQS, achieving 30% faster data processing.
- Enhanced open-source Location API handles a significant traffic volume of 1.2 million requests per week.
- Collaborated with the Notifications team to enhance data enrichment for promotional data for a user base of 1 million.
- Developed lag alerts for message queues, effectively detecting issues related to rebalance and high data loads.
- Mentored, pair programmed with juniors through bug fixing, code reviews, and shared best practices for scalable micro-services.

Environment: Java, Java script, ReactJS, NodeJS, Python, TypeScript, AJAX, Apache Kafka, Spring Boot, RabbitMQ, RESTFUL, Cockroach, Cassandra, Git, AWS SNS and SQS, Prometheus, Express, AWS S3, EC2, OpenShift, AWS Lambda, Jenkins, Agile, Scrum.

➤ **CSI Solutions LLC – Java Developer** | Minneapolis | *In-house project* Jun 2020 –Mar 2021

Developed an internal timesheet submission portal using Java, Spring, RESTful APIs & No SQL, Rabbit MQ, Angular, Express.

➤ **University of Nebraska at Omaha – Graduate Assistant** | *College of IS&T* Sep 2019 – May 2020

Developed, Supported, and Tested the ACM SIGITE 2020 Conference website hosted by the University of Nebraska, serving close to 30 universities across the United States.

EDUCATION

University of Nebraska at Omaha, *MS in Computer Science*

Aug 2018 – May 2020

TECHNICAL SKILLS

Programming Languages: Java, Spring boot, Python, Node JS, React JS, Angular, TypeScript, JavaScript, SQL, CQL, NoSQL, Linux.

Software Tools and Technologies: Amazon S3, Redshift, Aurora, MQ, CloudWatch, SNS, SQS, RDS (MySQL & PostgreSQL); Google Cloud Storage, Cloud Run, BigQuery, Pub/Sub, Spanner, Cloud Monitoring, Cloud Functions, Cloud SQL (MySQL & PostgreSQL); Apache Kafka, Cassandra, Cockroach, RabbitMQ, Jenkins, Prometheus, Grafana, SOAP/XML, Oracle DB, functional programming; cloud technologies, automated tests (Cucumber), version control (Git), containerization, DOM, front-end, DevOps.

Relevant Course work: Object Oriented Programming, Advanced DBMS, Cloud computing, Advanced Software design and methodologies System Design and Architecture, Data Structures and Algorithms.