

V SRINIVAS

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TECHNICAL SKILLS

Languages: Java, GoLang, JavaScript/TypeScript, Python, SQL

Backend & Cloud: Spring Boot, Kafka, gRPC, RESTful APIs, Node.js, AWS (Lambda, DynamoDB)

AI & Automation: Model Context Protocol (MCP), Agentic Workflows, n8n, Claude Code, Cursor, GitHub Copilot

Databases: PostgreSQL, MySQL, MongoDB, DynamoDB, Elasticsearch

EXPERIENCE

Software Development Engineer I

June 2023 – Present

Sixt India

Bangalore, India

- **Offer Aggregator Microservice:** Independently engineered a microservice aggregating Sixt+ subscription offers across **700+ branches in 10 countries** using a **Kafka**-based event scheduler and complex aggregation logic that eliminated the need for distributed locks. Reduced downstream API load **15x** (4.5M → 300K weekly calls) and latency **16x** (1.6s → 98ms).
- **Global Credit Check Microservice:** Architected an org-wide **gRPC** service integrating 4 international credit agencies (Germany, US, France, Italy), exposing standardized endpoints to all internal services. Ensured **GDPR** compliance via region-isolated **AWS Lambda + DynamoDB**; applied Factory/Facade patterns to abstract agency logic, eliminated a US-region Salesforce dependency, and cut latency by **30%**.
- **Reservation System Migration:** Led end-to-end architectural design and migration of the subscription reservation system from an unsupported legacy monolith to modern microservices. Reverse-engineered legacy behavior for accurate replication, worked cross-functionally across teams, and integrated payment authorization — achieving a **28.9%** reduction in mean latency and **34.2%** in P90 latency.
- **Guest Booking Subscription:** Engineered a secure, end-to-end subscription funnel for unauthenticated users. Designed an ephemeral ID mechanism to maintain transactional state across multi-step API calls, and implemented stringent rate limiting on Salesforce, payment, and credit check APIs to prevent brute-force and monetary abuse — without any persistent user account.
- **Additional Driver Revamp:** Re-engineered the Additional Driver funnel by replacing a slow Salesforce-dependent flow with a dedicated microservice and fully redesigned APIs. Owned end-to-end API redesign and data migration; introduced a secure hash-based login and verification mechanism, significantly improving speed, resilience, and UX.
- **Salesforce Migration:** Designed database schemas and ETL pipelines to migrate multiple features and production datasets from Salesforce to internal systems. Enabled dynamic, continuous data synchronization via **Kafka** events with zero-downtime cutover strategies.
- **Platform Reliability:** Held on-call rotation for **7 team-owned services**; led recurring Java and library upgrades across multiple microservices and drove a fleet-wide **gRPC** client migration to maintain security, stability, and performance.

AI Engineering Initiatives

- **MCP Server & RCA Support Bot:** Built a **Model Context Protocol (MCP)** server exposing core subscription-contract capabilities to AI agents and external workflows. Architected an RCA support bot that automates root cause analysis for production issues via dynamic Salesforce (SOQL) retrieval, log parsing, and Prometheus metrics — significantly reducing **MTTR**.
- **Spec-Driven Development & Agentic Workflows:** Pioneered AI skills and agentic workflows that automatically translate PRDs into HLD/LLD designs and actionable pull requests. Built an **n8n**-based pipeline to orchestrate and track complex release deployments. Embedded **Claude Code**, GitHub Copilot, and Cursor into daily engineering operations to accelerate delivery cycles.

SDE Intern

Jan. 2023 – Jul. 2023

Sixt India

Bangalore, India

- Led implementation of automated code generation from API contracts, integrating custom properties into the pipeline to standardize and accelerate development workflows across the team.
- Built end-to-end automation and **Kafka integration test suites**, elevating unit test coverage from **37% to 43%** on a ~70K LOC codebase.
- Spearheaded **Mutation Testing** with SonarQube as an org-wide standard for measuring test quality; resolved **800+ code smells and security vulnerabilities**.

EDUCATION

PES University

B.Tech in Computer Science, 9.03 CGPA

Bangalore, India

Jun. 2019 – Jun. 2023