

# Vaideswaran Chandrasekaran

Senior Software Engineer

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## SUMMARY

Innovative and results-driven Senior Software Engineer with 6+ years of experience designing and developing scalable backend and full-stack applications across fintech, SaaS, and consumer electronics domains. Proficient in building high-throughput, event-driven microservices and optimizing data-intensive systems using Java, Spring Boot, Kafka, and Snowflake. Adept at collaborating with cross-functional teams, resolving performance bottlenecks, and driving business growth through technical excellence. Proven record of delivering enterprise solutions that improve system efficiency, reduce operational costs, and support million-dollar revenue pipelines.

## WORK EXPERIENCE

### Senior Software Engineer

Jul '24 — Present

Morgan Stanley

Bengaluru, India

- Leading the development of a lightweight Data Quality (DQ) platform for ETL pipelines to validate trade data and improve DQ processing time by 30%.
- Designed and implemented Drools-based rule engine to apply dynamic data validation rules on Java-based trade events, achieving 99.9% trade accuracy.
- Optimized Spark-based data pipelines integrated with Kafka and Snowflake by tuning Spark jobs and query patterns, boosting throughput by 20%.
- Collaborated across data governance and engineering teams to deploy a scalable trade verification system ensuring compliance with internal DQ standards.
- Tech Stack: Java, Spring, Drools, Spark, Kafka, Snowflake, DB2, Greenplum, SQL

### Lead Software Engineer

Jan '24 — Jul '24

FRESHWORKS

Chennai, India

- Led engineering of a funnel graph system to reduce user drop-offs during onboarding by 15% by implementing behavioral analysis and action triggers.
- Built real-time monitoring dashboards using Micrometer, OpenTelemetry, and Prometheus, cutting incident resolution time by 40%.
- Did performance bottleneck analysis by profiling Snowflake queries using EXPLAIN plans, optimizing data access patterns, and indexing resulting in 10x faster analytics query performance.
- Developed a lightweight data ingestion framework to handle CRM activity events, improving data availability for analytics with near real-time latency.
- Tech Stack: Java, Spring Boot, Snowflake, MySQL, Prometheus, Elasticsearch, SQL

### Senior Software Engineer

Sep '21 — Jan '24

Samsung Electronics

Chennai, India

- Spearheaded the design and development of B2B eCommerce modules (Insurance, Bulk Cart, Order Upload, and Custom Pricing) for enterprise clients, contributing \$1M+ in annual revenue.
- Did bulk order automation by implementing spreadsheet-based order ingestion using Node.js and PostgreSQL, doubling order efficiency for enterprise users.
- Built a new B2B pricing engine by abstracting pricing rules into configurable models using Redis and RabbitMQ, enabling 2x order handling capacity.
- Introduced pre-generated carts and device bundling logic, reducing checkout time by 40% and increasing flagship device sales.
- Integrated third-party services and built fallback retry logic using asynchronous patterns, increasing order fulfillment reliability.
- Tech Stack: Node.js, React, PostgreSQL, Redis, RabbitMQ, AWS, Docker

### Full Stack Engineer

Feb '20 — Sep '21

Agentz Inc

United States

- Developed end-to-end event-driven APIs to integrate Agentz chatbot with external platforms, boosting webhook response reliability by 35%.
- Reduced system latency by 20% by optimizing Kafka consumer offset strategies and batch processing logic.
- Built a hierarchical trigger engine to manage user-defined automations, improving rule execution reliability by 50%.
- Collaborated with product and QA teams in US timezone to build microservices in Java and Spring Boot with a CI/CD pipeline on AWS.
- Tech Stack: Java, Spring Boot, Groovy, Kafka, React, MySQL, Redis, AWS

### Member Technical Staff

May '18 — Dec '19

Zoho Corporation

Chennai, India

- Acted as L3 developer and resolved 100+ customer tickets across US and Europe, contributing to a 30% improvement in ADManager Plus performance.
- Developed backend automation modules to enable bulk user operations in Active Directory, improving IT admin efficiency by 2x.
- Reduced customer-reported issues by enhancing test automation coverage and introducing regression pipelines.
- Tech Stack: Java, JSP, MSSQL, PostgreSQL, Tomcat

EDUCATION

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**Bachelor in Electronics and Communication**, College of Engineering, Anna University

2014 — 2018  
Chennai, India

CERTIFICATIONS

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**AWS Certified Solutions Architect Associate**  
**Data Engineering on Google Cloud**, Coursera  
**Spring Framework**, Udemy

ACHIEVEMENTS

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**Samsung Employee of the Quarter**  
Samsung  
Recognized for introducing pre-generated cart features that improved B2B user experience and revenue.

Dec '01

**Samsung Hackathon Winner**  
Samsung  
Built a bulk cart pre-generation solution reducing cart checkout times by 40%.

Dec '01

**Agentz Kafka Pipeline Optimization**  
Decreased message processing time by 20% by redesigning Kafka consumer behavior.

**Freshworks Query Optimization**  
Freshworks  
Achieved 10x improvement in dashboard load time by enhancing Snowflake query structure.

SKILLS

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**Programming Languages**    Java, JavaScript, Groovy, SQL, Node.js  
**Frameworks**    Spring Boot, Spring, React, Drools  
**Data Management**    Kafka, RabbitMQ, Spark, Redis, PostgreSQL, MySQL, Snowflake, Greenplum, DB2  
**DevOps Tools**    Docker, AWS, Prometheus, Micrometer, OpenTelemetry  
**Architectural Patterns**    Microservices, Event-driven Systems, ETL Pipelines