

Vaideeswaran Chandrasekaran

Innovative and results-driven Senior Software Engineer with 7+ years of experience designing scalable backend and full-stack applications.

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Relevant Experience

Senior Software Engineer · **Morgan Stanley** · Jul 2024 — Present

- Developed optimized file consolidation processes to ensure uniform violation flagging across the platform.
- Contributed to building Data Quality as a Service, enabling on-demand DQ checks for internal teams.
- Integrated internal cloud platforms and optimized Spark to efficiently process massive datasets in chunks.
- Collaborated with cross-functional teams to validate trade data based on client-specific preferences.

Senior Software Engineer · **Samsung Electronics** · Sep 2021 — Jan 2024

- Developed a B2B insurance program in collaboration with third parties, generating \$1M+ in revenue.
- Introduced a bulk order placement system via spreadsheet upload, doubling order efficiency for enterprise clients.
- Implemented a new B2B pricing engine, supporting 2x order volumes compared to the previous system.
- Enhanced platform reliability with Redis and RabbitMQ-based asynchronous messaging.

Full Stack Engineer · **Agentz Inc** · Feb 2020 — Sep 2021

- Integrated Facebook Messenger with the Agentz AI chatbot, enabling users to message the platform directly from Messenger and resulting in increased user acquisition through a seamless conversational channel.
- Developed event-driven, Kafka-backed communication for reliable webhook delivery and asynchronous processing, improving webhook reliability by 35% and decoupling downstream services.
- Designed, developed, and migrated platform triggers into an organized hierarchical structure, simplifying trigger management and reducing operational complexity.
- Created robust RESTful and event-driven APIs using Java and Spring Boot (versioned endpoints, idempotent handlers, input validation) to support integrations and internal services.
- Revamped multiple React UI pages and components in the user console (lazy loading, memoization), improving UX and maintainability.

Member Technical Staff · **Zoho Corporation** · May 2018 — Dec 2019

- Resolved 100+ customer tickets, contributing to a 30% performance improvement in ADManager Plus.
- Added SAML authentication to the product, streamlining enterprise onboarding and increasing user adoption.
- Developed test cases for all functional modules, achieving 80% code coverage and ensuring robust, reliable releases.

Skills

Programming Languages

Java, JavaScript, Python, Groovy, SQL, HTML, CSS, Sass, GraphQL

Frameworks

Spring Boot, Spring, React, Nodejs, Next.js, Tailwind CSS

Data Management

Kafka, RabbitMQ, Spark, Redis, PostgreSQL, MySQL, Snowflake

Tools & Platforms

Docker, Kubernetes, AWS, Prometheus, OpenTelemetry, Git, GitHub, Netlify, Vercel

Projects

AI Study Planner

AI planner that generates exam-specific schedules from books and courses; calendar sync. Tech: MERN

Video streaming backend

Upload, transcode and live streaming backend Tech: Node.js, S3.

Real-time collaborative code execution

Collaborative editor with live preview and sandboxed execution. Tech: React, TypeScript, WebSockets, Docker.

Education

Anna University

Bachelor of Engineering in Electronics and Communication

Interests

Designing systems, football, cricket, mythology & non-fiction books, experience new cultures, travel, long drives