

Kolla Sai Kotesb

Software Development Engineer

Hyderabad, India | +91 88868 81788 | saikotesbk@gmail.com

PROFESSIONAL SUMMARY

Senior Software Development Engineer with 5+ years of experience designing and scaling backend systems serving millions of users in Java and Python. Led cross-functional teams delivering enterprise-grade platforms end-to-end — from architecture to production — while also shipping high-traffic, customer-facing features at a leading product company. Deep expertise in cloud-native microservices, distributed systems, event-driven architecture, REST API design, and secure third-party integrations (payments, OAuth 2.0), with hands-on use of AI tools to accelerate delivery.

TECHNICAL SKILLS

Languages	Java, Python, C++, Ruby
Frameworks	Spring Boot, Spring, Flask
Databases	PostgreSQL, MySQL, Cassandra, MongoDB, Redis, Elasticsearch
Messaging	Kafka, Flink, Storm, Sidekiq
DevOps & Cloud	Docker, Kubernetes, Jenkins, Git, AWS, Azure, GCP, S3
Monitoring	Grafana, Prometheus, New Relic, Zabbix, Kibana
Architecture	Microservices, Distributed Systems, Event-Driven Design, System Design
Integrations	Payment gateways (Razorpay, EaseBuzz), OAuth 2.0 (Google Sign-In, DigiLocker), Keycloak
AI Tools	GitHub Copilot, ChatGPT/Claude for code generation, debugging, and productivity
Tools	Postman, Jira, ClickUp

EXPERIENCE

SDE III, Vassarlabs

Dec 2025 – Present

- Own end-to-end architecture and delivery of enterprise-grade backend platforms, driving design decisions from concept through production.
- Architected a marketplace platform connecting buyers and sellers, opening a new B2B trade channel.
- Integrated payment gateways (Razorpay, EaseBuzz) and OAuth 2.0-based authentication (Google Sign-In, DigiLocker) to enable secure transactions and seamless onboarding.
- Designed and built REST APIs powering core platform features, consumed by internal and third-party systems.
- Work extensively with distributed systems, ensuring consistency, fault tolerance, and scalability across services.
- Leverage AI/LLM tools to ship intelligent product features (conversational chatbot) and accelerate day-to-day engineering velocity.

SDE II, Vassarlabs

Jan 2023 – Nov 2025

- Led a cross-functional team delivering a large-scale platform from inception to production, owning delivery end-to-end.
- Designed and scaled a platform serving millions of registered users, delivering core digital services and personalized recommendations.
- Refactored legacy monoliths into cloud-native microservices, improving scalability 10x to support millions of concurrent users, while working extensively with distributed systems to ensure consistency and fault tolerance.
- Integrated Kafka for real-time event streaming, cutting inter-service latency by 25% via an event-driven architecture.
- Built a notification service from scratch, reliably handling 150–200k notifications per day.
- Set up a Jenkins CI/CD pipeline with Docker and Zabbix/Grafana monitoring, cutting release cycles by ~30% and enabling proactive alerting.
- Integrated Keycloak Social Login (password, OTP, MPIN) and resolved performance bottlenecks via load balancing, New Relic, and Grafana insights.

Software Development Engineer, OYO

Jul 2021 – Jan 2023

- Built the checkout-page calendar and a similar-properties recommendation widget on a high-traffic product listing page.
- Re-architected pricing and availability logic across listing and detail pages, resolving critical mismatches flagged by a custom Python analysis tool.
- Developed tag-driven flows and REST APIs (cron jobs, Kafka, PostgreSQL) and delivered A/B-tested features (property sorting, dynamic filters), optimizing APIs and SQL queries for performance.

EDUCATION

B.Tech, Computer Science & Engineering, National Institute of Technology, Durgapur

Jul 2017 – Jun 2021 | CGPA: 9.12 / 10

ACHIEVEMENTS

- Rated “Exceeds Expectations” in annual performance reviews and recognized with a certificate and bonus for high-impact project work.

Areas of Interest: System Design, Distributed Systems, Software Development, DevOps Practices, AI-Assisted Development

Languages: English, Telugu, Hindi