

# Rohit Saini

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**Lead Software Engineer** with 5+ years of experience designing distributed systems, search infrastructure, and AI-powered products. Built event-driven platforms processing 100k+ operations in seconds, reduced search latency by 20×, and developed production RAG systems over large-scale enterprise data. Experienced in backend architecture, developer productivity, and scaling systems from concept to production. Build and maintain products such as ScamDB and Parakhi.

## EXPERIENCE

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### SenseHQ, Bangalore, India

Jun 2021 – Present

#### *Lead Software Engineer*

*Apr 2025 – Present*

- **Led development** of high-performance typeahead search using OpenSearch, reducing p95 latency from **2s to 100ms** and improving search engagement.
- **Jiraffe – AI Ticket Resolution Assistant:** Architected an AI-powered ticket resolution platform over internal codebases and historical issues using OpenSearch embeddings and LLMs; integrated logs, databases, and Datadog observability, reducing average ticket resolution time from **4 days to a few hours**.
- Led backend architecture reviews, cross-team technical design discussions, and mentorship initiatives, improving engineering quality across multiple product teams.

#### *Senior Software Engineer*

*Jul 2022 – Apr 2025*

- Designed and implemented an event-driven messaging architecture for Mass Texting using Kafka, distributed workers, and retry pipelines, increasing throughput by 100× and enabling delivery of 100k messages in 30 seconds.
- Migrated internal tooling from Retool to open-source Lowcoder, reducing costs by **\$50K+** per year and improving development flexibility.
- Owned design and development of distributed services for payments, notifications, and authentication; integrated PayPal APIs, SQS, and SendGrid for Referrals.
- Implemented MFA (including TOTP) and WorkOS enterprise authentication, strengthening platform security.

#### *Software Engineer*

*Jun 2021 – Jul 2022*

- Built internal tools and automated migrations, reducing manual operations from 2 days to under 5 minutes.

### ExamPlus

Jul 2020 – Dec 2020

#### *Software Engineer (Part-Time)*

*Remote*

- Core engineer on an online examination platform (JEE, NEET) that grew to INR 5M monthly revenue within three months.

### SoongDev

Apr 2020 – Jun 2020

#### *Software Development Intern*

*Remote*

- Developed chatbots using Google Dialogflow and web apps with Django, MySQL, and Vue.js; built an automated enterprise expense tracker.

## SELECTED PRODUCTS

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### Parakhi.in – Indian Product Transparency Platform

Jan 2026

*Next.js, TypeScript, PostgreSQL, Prisma, Vercel*

*GitHub*

- Built a product-transparency platform that estimates how much of a product's MRP stays in India using a deterministic pricing engine and automated public-data ingestion
- Developed an auto-auditable calibration framework achieving 100% GST accuracy and 81% label-match rate.

### ScamDB.in – Community Fraud Awareness Platform

May 2026

*Next.js 16, Python, Supabase, PostgreSQL, Redis*

*GitHub*

- Built a fraud-lookup platform for Indian phone numbers and UPI IDs with an automated 6-hour ingestion pipeline spanning Reddit, X, and government advisories, extracting scam identifiers via OCR and LLM enrichment.
- Implemented trust & safety controls, moderation workflows, and SEO-optimized entity pages.

## SKILLS

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**Languages:** Python, Java, JavaScript, Go, SQL, C++

**Backend:** Flask, Django, Node.js, REST APIs, Microservices, Event-Driven Architecture

**Databases & Search:** MySQL, MongoDB, PostgreSQL, Redis, Elasticsearch/OpenSearch, pgvector

**Cloud & DevOps:** AWS(ECS, EC2, S3, SQS, Lambda, DynamoDB), Docker, Kubernetes, Terraform, CI/CD

**Streaming, AI & Monitoring:** Apache Kafka, RAG, LLMs, MCP, Vector Search, Datadog

## EDUCATION

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**Indian Institute of Science Education and Research (IISER), Bhopal**

2017–2021

B.S. in Computer Science and Engineering