

Manish Prajapati

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EXPERIENCE

Software Engineer

RUDRA Cybersecurity

Sep. 2024 - Present

Mumbai, India

FutureKonnect - Fleet Management Platform

- Cut audit trail search latency from **>1 min to <1s** by migrating the event store from **PostgreSQL to Elasticsearch** across 300K+ events/month, with cursor pagination and role-filtered visibility.
- Reduced backend cold-start time from **~27s to <1s** by porting services from **Prisma to asyncpg + raw SQL**, replacing application-side relation loading with database JOINS.
- Designed a **5-level RBAC** system with per-module CRUD across **40+ modules**, enforced via **Hasura JWT** row-level claims, now governing **370+ users** and unblocking larger enterprise tenant onboarding.
- Rewrote data usage tracking across **1,300+ production routers** handling **15+ TB/month** with **3× finer granularity**, unblocking downstream WAN cutoff and queue-based throttling, rolled out zero-downtime by migrating 6 months of usage history per-router.
- Built a **network bandwidth monitoring** system on the same fleet with a two-tier ingestion pipeline (router-local buffer + scheduled backend polling), persisting **15M+ datapoints/month** into PostgreSQL with time-range indexes and dual-axis analytics dashboards.
- Designed a **static VPN IP assignment** system across 2 backend services, replacing a drift-prone dynamic IP pool with PostgreSQL-backed allocation, concurrency-safe assignment with conflict detection and bounded retry, transactional rollback on failure, and automatic IP reuse on device re-creation.
- Shipped a **device lifecycle** workflow (activation, deactivation, scheduled toggles, deletion) with reversible network-layer enforcement and billing that halts at the exact deactivation timestamp, replacing a delete-only pause model and integrated with billing exports.

Full Stack Developer

The English Quest

Aug. 2022 - Aug. 2024

Remote

- Built an in-house **speech-to-text** pipeline using **OpenAI Whisper** to power voice-based learning features in the app.
- Built a WATI WhatsApp + NodeMailer messaging stack, lifting delivery efficiency **40%** and saving **~20 hrs/month** of manual work.
- Implemented CRM User Activity History with timestamps and contextual metadata, adopted by support and product teams for debugging.
- Drove Play Store rating **3.9 to 4.8** by rebuilding key React Native screens for responsiveness and UX.

PROJECTS

Cellscope | VS Code Extension

[Marketplace](#) | [GitHub](#)

- Published **VS Code extension** for interactive CSV preview with filtering, sorting, and virtual scrolling. Built in **TypeScript** with an extensible IParser/IExporter architecture and a FormatRegistry pattern.

Link List | Personal Link-in-Bio App

[Live](#) | [GitHub](#)

- SSR web app built with **Next.js**, TypeScript, Tailwind, and MongoDB, featuring secure **NextAuth** login, dynamic link management, and click analytics rendered with **Recharts**.

TECHNICAL SKILLS

Languages:	Python, JavaScript, TypeScript, SQL, Bash.
Libraries & Frameworks:	FastAPI, Node.js, Express.js, React, React Native, GraphQL.
Databases:	PostgreSQL, Redis, Elasticsearch.
Tools:	Docker, Linux, Git & GitHub, Hasura, Claude Code.
Concepts:	Microservices, Distributed Systems, System Design, Event-driven Architecture.

CERTIFICATIONS

Newton School

Full Stack Web Development (with distinction)

Online

2021 - 2022

EDUCATION

Gujarat University

BCA. CGPA: 8.1/10

Ahmedabad, India.

2019 - 2022