SUJEET KUMAR

Backend Engineer • Node.js • TypeScript • Python • LLM Integration • AWS

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SUMMARY

Backend engineer taking products from zero to production: ZCoded's LLM agent pipeline (80–90% client-verified accuracy) and EUCLID at Acutus AI, and Empathy as its sole engineer (20K+ downloads, later sold).

EXPERIENCE

Acutus AI — Noida, Uttar Pradesh, India
Software Engineer — Apr 2025 – Present
Decision-intelligence startup; its products include ZCoded (pre-launch behavioural simulation), QMAPI and EUCLID.

- Built ZCoded's **FastAPI** agent pipeline: 72 metrics, **80–90% client-verified accuracy** in simulating real users
- Added **RabbitMQ** for long-running jobs and async notifications, plus credit-based billing and an enterprise API
- Designed multi-LLM orchestration across Claude, Gemini, GPT and Mistral on **AWS Bedrock** that cut inference cost
- Built **EUCLID**, a synthetic-data SaaS whose pipeline generates privacy-preserving datasets that mirror real-world data
- Developed QMAPI's prescreening engine in **Node.js and MySQL** that matches respondents to surveys on 10+ criteria
- Migrated QMAPI's REST API to **TypeScript**; sped up data access with **Redis caching**, pagination and query tuning

Studyspot India Pvt. Ltd. — Hybrid
Software Engineer — Jan 2024 – Feb 2025
*Ed-tech company whose platform, 360tutoring, connects **15,000+ students** with tutors across India.*

- Built the 360tutoring backend in **Express.js and TypeScript** on MongoDB, with MFA, KYC and role-specific onboarding
- Implemented location-based tutor search on the Google Maps API with **MongoDB geospatial indexes**
- Set up CI/CD with GitHub Actions and AWS ECR, cutting deployments **from hours to about 8 minutes**
- Added Socket.IO messaging and notifications; wrote tutor pricing logic based on qualifications, location and expertise

Business Curative — Remote
Software Engineer Intern — Apr 2024 – May 2024

- Migrated the WordPress site to React and TypeScript on the WordPress REST API and GraphQL, with zero downtime

PROJECTS

Empathy | *Elysia (Bun), NestJS, MongoDB, Redis, AWS EC2, React Native (Expo)* — App Store | Google Play
Emotional support app connecting users with trained listeners over chat and calls; built as the only engineer on a two-person team; later sold.

- Grew to **20K+ downloads**, **2,000 MAU** and a 4.5-star rating, with **INR 1.5 lakh monthly revenue** (peak INR 10K/day)
- Built the **Elysia and NestJS backend** on MongoDB and Redis on AWS EC2, with GetStream chat and audio/video calls
- Set up a **self-hosted observability stack** with OpenTelemetry, Prometheus, Grafana, Loki and Tempo: tail-sampled traces, exact p95 span metrics, and about 30 Slack alerts against SLO targets of 99.95% availability

OPEN SOURCE

GetStream stream-video-js | *React Native SDK, found while building Empathy*

- Fixed a callingx bug where calls with a scheme-less Android Telecom address crashed system_server and rebooted ColorOS, Realme and Oppo phones; maintainers cherry-picked my fix (#2452) into #2453 with authorship preserved
- Root-caused an Expo plugin bug (#2313) that reset ios.forceStaticLinking and broke Skia builds; filed repro and fix

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python | **Databases:** SQL (MySQL, PostgreSQL), NoSQL (MongoDB, Redis)
Backend: Node.js (Express, Elysia, NestJS), Python (FastAPI), REST, GraphQL, WebSockets (Socket.IO), JWT, Jest, PyTest
Architecture: Event-driven design, message queues (RabbitMQ, BullMQ), caching, REST API design, CI/CD
Cloud & DevOps: AWS (EC2, ECR, S3, Bedrock), Docker, Docker Compose, GitHub Actions, Caddy, Linux
Observability: OpenTelemetry, Prometheus, Grafana, Loki, Tempo, Promtail, SLOs, monitoring and alerting
LLM & AI Tools: AWS Bedrock, OpenAI API, multi-LLM orchestration, prompt engineering, Claude Code, Cursor

EDUCATION

Dyal Singh College, University of Delhi — Delhi
Bachelor of Science in Computer Science — Aug 2021 – Jun 2024