Gajraj Singh Shekhawat

Full-Stack Software Engineer · Frontend, Backend, AI & Data

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SUMMARY

Full-stack software engineer (frontend, backend, mobile, AI and data) with 4+ years of professional experience building production systems for high-traffic consumer apps, fintech and education. Currently at Shuru Technologies on Equiti's global multi-asset trading platform, after building the data platform and app backends for Pickup Coffee (500+ stores, Philippines & Mexico). Strong in Node.js/TypeScript and Python microservices, PostgreSQL/MongoDB/Redis, data pipelines (Airflow, BigQuery), observability and cloud infrastructure. Also a software consultant and tech advisor to startups, schools and businesses, taking products from idea to launch.

EXPERIENCE

Product Engineer (Backend) · Shuru Technologies

Jun 2024 – Present

Gurugram (Remote) · AI-native engineering company serving clients across Asia, the Middle East and Europe

Equiti · Oct 2026 – Present · global multi-asset broker (regulated in the UK, UAE, Cyprus and more)

- Engineering for Equiti Group's multi-asset trading platform.

Pickup Coffee · Jun 2024 – Oct 2026 · coffee chain with 500+ stores in the Philippines, expanding into Mexico

- Built the data platform: Apache Airflow ETL pipelines from Google Cloud Storage into BigQuery, and Metabase dashboards for the marketing team.
- Backend for all three apps: the customer ordering app, the barista tablet app used in stores, and the back office for menus and pricing.
- Built and optimised Node.js/Express microservices (pickup, wallet, voucher, promotions, stamps) running on Kubernetes; cut API latency by 30%.
- Set up distributed tracing with OpenTelemetry and Jaeger across 5+ services, halving the time to debug and resolve issues.
- Added a Redis caching layer and tuned PostgreSQL / Cloud SQL queries, cutting database load by 40% and slow queries by 60%.
- Designed and built the referral program end to end (RFC, flows, campaign APIs, TalonOne integration) with Bull queues for rewards, notifications and coupon tracking.
- Built JWT and OAuth 2.0 authentication and authorisation for multi-tenant B2B/B2C applications.

Software Engineering Consultant & Tech Advisor · Independent

Ongoing

Alongside full-time role · technology partner to organisations in education, wholesale and rural governance

- **Yugam International School** (CBSE school, Kanpur): technology partner. Built the school website with paid event passes, an AI text-to-SQL agent over 1.7M school records on a self-hosted LLM, CPU-only face-recognition attendance and AI lesson-planning tools; lead a small team building the admissions CRM, HRMS, bus tracking and IoT classrooms.
- **Neem Karoli Sales** (Jaipur): designed and built a complete wholesale ordering platform solo: two React Native Android apps with self-updates, a Fastify + MongoDB API, OTP sign-in, Cashfree payments, GST invoices and 1,290+ automated tests.
- **Shikhar Classes** (JEE & NEET coaching): built and run the complete platform at shikharedtech.com: website with server-rendered SEO, online test platform (Next.js), admissions CRM, JoSAA college predictors, scholarship and admission portals with Razorpay, the StreamFit career test with AI-read OMR sheets, and the shared Express/MongoDB API, with push-to-deploy pipelines.
- **Gram Sansad**: multi-tenant platform giving every village its own website with automatic DNS and HTTPS, and a rebuild of the main site.

Full Stack Web Developer · AFM Bigtech

Sep 2022 – Jun 2024

Singapore (Remote) · first company

MoneyyApp · AFM's fintech product funding YouTubers and content creators

- Worked on the platform that helps creators get funding to grow their channels.

Competishun · client · JEE & NEET coaching institute, Jaipur (5 lakh+ students and parents, seen on Shark Tank India)

- Led backend development of the online learning platform (LMS) serving thousands of concurrent students.
- Built secure REST APIs connecting the LMS web app, mobile apps and backend services, with real-time live classes and instant test results over WebSockets.
- Designed MongoDB schemas and indexes for courses, tests and student progress; added caching and CDN-backed video delivery.
- Built admin dashboard APIs for content and analytics, plus payment gateway and subscription management.

SKILLS

Backend	Node.js, TypeScript, Express, Fastify, NestJS, Python, FastAPI, REST APIs, microservices, Bull/BullMQ
Frontend & mobile	React, Next.js, React Native (Expo), Redux, Tailwind CSS
Data	PostgreSQL, MySQL, MongoDB, Redis, BigQuery, Apache Airflow, Metabase, Google Cloud Storage
Cloud & DevOps	GCP (Cloud SQL, Cloud Functions), AWS (EC2, RDS, SSM), DigitalOcean, Docker, Kubernetes, GitHub Actions, nginx

Observability	OpenTelemetry, Jaeger, Cloud Monitoring, performance profiling
AI	LLM agents, text-to-SQL, vLLM, Ollama, Gemini, OpenCV, speech-to-text
Security & payments	JWT, OAuth 2.0, OTP auth, Razorpay, Cashfree

EDUCATION

Full-Stack Web Development · Masai School, Bengaluru
Sep 2021 – Aug 2022 · Advanced Web Development Certification

LANGUAGES

English (professional) · Hindi (native)