

Pankaj Gupta

Software Development Engineer

+91 98856 78317 • pankajgupta2357@gmail.com • github.com/pankaj2501 • linkedin.com/in/pankaj-gupta • Hyderabad, India

PROFILE

Backend-heavy full-stack engineer specializing in fintech infrastructure, real-time payment systems, and AI-powered automation. 5+ years shipping high-throughput microservices across fintech and Web3 — from distributed systems design to production observability. Energized by hard scaling problems and building products that move money reliably at global scale.

CORE SKILLS

Languages: TypeScript, JavaScript, Python, Java

Backend: Node.js, NestJS, Express, FastAPI, Spring Boot

Frontend: React, Next.js, Vue 3

Databases: MongoDB, PostgreSQL, MySQL, Redis, Firestore, Redshift, Elasticsearch

Cloud & DevOps: GCP, AWS, Docker, GitHub Actions, CI/CD, Terraform

Observability: OpenTelemetry, Sentry, Grafana, Prometheus, New Relic, ELK Stack, CloudWatch, Structured Logging

Architecture: Distributed systems, microservices, message queues, REST, GraphQL, SLO-driven reliability

AI: Cursor, Claude Code, LLM APIs, Prompt Engineering

Tooling: Temporal, Flagsmith, Jest, Metabase

WORK EXPERIENCE

Transak — *Software Development Engineer*

Jun 2024 - Present | Hyderabad

- ▶ **Architected white-label API platform** — full suite of onboarding (user registration, KYC), order (on-ramp, off-ramp), and partner management APIs; contributing to \$240M+ in GTV.
- ▶ **Designed centralised authentication service** across all products, standardising auth and improving platform-wide security posture.
- ▶ **Led microservices migration** — decoupled monolith into independently deployable services with reduced latency and improved fault isolation, using Cursor to accelerate delivery throughout.
- ▶ **Built AI-powered workflow automations** using LLM APIs — reduced AML manual review process for the Ops team from 30 minutes to 4 minutes.
- ▶ **Owned observability end-to-end** — built custom alerting across all microservices using OpenTelemetry, Grafana, and Sentry; alerts directly enabled detection and response to bot attacks, account compromises, and card misuse in production.
- ▶ **Built Partner Dashboard** (dashboard.transak.com) — self-serve integration hub adopted by 450+ Web3 partners including MetaMask and Ledger.
- ▶ **Developed NFT Checkout** — fiat-to-NFT in 64+ countries, 95% approval rate, 136+ tokens, Apple/Google Pay, and bulk minting.

Juno Finance — *Software Development Engineer II*

Apr 2022 - May 2024 | Bangalore

- ▶ **Built instant card-to-card transfer** — real-time funding with atomic consistency on distributed state; processed \$3-4M in average daily transaction volume.
- ▶ **Developed Spend Crypto via Card**, driving 30%+ of annual revenue via ZeroHash real-time crypto-to-fiat settlement.
- ▶ **Implemented Brazil PIX payment system** — wallet creation, recovery, and state management; optimised MongoDB schema for high read/write throughput at scale.
- ▶ **Led Synapse, Onfido, ZeroHash, and JIKO integrations** — KYC pipelines, digital banking rails, and crypto transaction infrastructure at millions in daily volume.
- ▶ **Instrumented platform with ELK Stack and Metabase** — custom metrics, alert rules, and real-time dashboards used daily by risk, growth, and product teams.

OpenText Technologies — *Associate Software Engineer*

Feb 2021 - Mar 2022 | Hyderabad

- ▶ **Built REST APIs for OpenText Identity Manager Workflow Engine** — identity provisioning, approval workflow routing, and user lifecycle management in Java Spring Boot.
- ▶ **Implemented Redis caching and New Relic APM monitoring**; Cloud Foundry deployment and QA automation for Enterprise Scan Application.

EDUCATION

B.Tech, Computer Science — Jawaharlal Nehru Technological University, Hyderabad | 2017 - 2021