# Mayank Rawat

Backend Engineer · Multi-tenant SaaS · Node.js, TypeScript, NestJS

+91 98134 20403 | mr.mayank2402@gmail.com | Faridabad, Delhi NCR

mayankrawat.dev | linkedin.com/in/mayankrawat2402 | github.com/mayank-rawat98

## SUMMARY

Backend engineer (SDE-1 at The Regiment since May 2025) and sole developer of PAISAPAID, a multi-tenant white-label lending SaaS in production. I build Node.js, TypeScript and NestJS services on PostgreSQL, Redis and BullMQ, and run them with Docker, CI/CD and monitoring. Available for contract builds.

## EXPERIENCE

**Freelance Full-Stack Developer (Contract)** | PAISAPAID – loan-distribution fintech SaaS (client project) **Oct 2026 – Present**

*Sole developer · live in production · NestJS, Next.js, PostgreSQL, Prisma, Redis, BullMQ, Docker* *Remote*

- Built a multi-tenant white-label SaaS on one codebase and one database, where each brand gets its own custom domain, branded website, admin panel and network of agents.
- Automated custom domains with on-demand TLS: Caddy asks the API whether a domain belongs to an active brand before issuing a certificate, and DNS is managed via the Cloudflare API.
- Designed deny-by-default access for 5 roles (Super Admin to Sub-Agent) on every API route; cross-tenant requests return 404, are audit-logged and are covered by automated isolation tests.
- Built the loan lead lifecycle (capture, lender matching by pincode, work queues, disbursement) and a commission ledger with slabs, TDS/GST, recoveries and payouts, stored in integer paise.
- Secured KYC data (PAN, Aadhaar, bank statements) with Argon2, rotating refresh tokens in httpOnly cookies, TOTP 2FA, short-lived signed S3 URLs and PII masking in all logs.
- Set up staging-first CI/CD with GitHub Actions, Docker Compose deploys and nightly encrypted off-site backups; 742 merged changes, a 139-table schema and 485 test files in six weeks.

**Backend Engineer (SDE-1)** | The Regiment **May 2025 – Present**

*Mohali, Punjab* *Remote*

- Built REST APIs in Node.js, TypeScript and NestJS, and split core services into NestJS microservices communicating over TCP transport, cutting inter-service latency by ~25%.
- Implemented JWT auth and RBAC shared across client apps, on PostgreSQL and MongoDB with Redis caching.
- Run a self-hosted transactional email service (SMTP, SPF, DKIM, DMARC) at 95%+ deliverability.
- Dockerized services behind Nginx with GitHub Actions CI/CD, cutting deploy time from ~45 to under 10 minutes.
- Added Prometheus metrics, Grafana dashboards and alerting for API throughput and error rates.

## PROJECTS

**NovaGate – API Gateway (own product)** **2026**

*Node.js, TypeScript, Redis, WebSocket, gRPC, Prometheus, Docker, Nginx* novagate.dev | github.com/mayank-rawat98/novagate

- Split the gateway into a self-hosted data plane and a SaaS control plane linked over one outbound WebSocket, with a Redis-cached config fallback so traffic keeps flowing if the control plane drops.
- Built pluggable auth (JWT, OIDC, OAuth2, HMAC, mTLS, ACLs) and per-client sliding-window rate limiting in Redis.
- Proxies HTTP/2, WebSocket and gRPC with GraphQL depth limits; under 10 ms overhead at 500 req/s.
- Exposes Prometheus metrics per route and client for throughput, latency and error dashboards.

## TECHNICAL SKILLS

**Backend:** TypeScript, JavaScript, Node.js, NestJS, Express.js, REST APIs, WebSockets (Socket.IO), JWT, RBAC, Zod

**Frontend & Data:** Next.js, React, PostgreSQL, Prisma, MongoDB, MySQL, Redis, BullMQ, RabbitMQ, SQL

**DevOps & Monitoring:** Docker, Nginx, Caddy, Linux, GitHub Actions, AWS (EC2, S3, RDS), Cloudflare, Prometheus, Grafana

**Email, Security & Testing:** SMTP, SPF, DKIM, DMARC, TLS, Argon2, TOTP 2FA, Jest, Bash

## EDUCATION

**B.Tech in Computer Engineering** 2021 – 2025

*J.C. Bose University of Science and Technology (YMCA), Faridabad*