Shubham Maurya

Senior Backend Engineer

+91 7621069675 | shubhammaurya2385@gmail.com | linkedin.com/in/shubham-maurya-38012b112 | github.com/ddev687 | Pune, Maharashtra, India | shubhammaurya.in

SUMMARY

Senior Backend Engineer with **8+ years** architecting high-throughput, **event-driven microservices** handling **2M+ requests/day** in Node.js, NestJS and TypeScript, backed by Kafka, Redis, Docker and Kubernetes on AWS/GCP. Builds resilience into the system with retry, backoff, idempotency and distributed rate limiting, instead of firefighting failures after they land. Ships daily with **AI-assisted development** (Cursor, Claude Code, Copilot) as core workflow, and owns production end to end, from design and RFCs through deployment and on-call.

SKILLS

- **Backend / Languages:** Node.js, NestJS, Express, Fastify, TypeScript, JavaScript, REST APIs, GraphQL, Next.js, React
- **Architecture:** Distributed Systems, Microservices, Event-Driven Architecture, Async Processing, Resilience Patterns (retry, backoff, idempotency, rate limiting), API Versioning & Design
- **Data & Messaging:** PostgreSQL, MongoDB, DynamoDB, Redis, Kafka, Query/Index Optimization, Schema Design
- **Infrastructure:** Kubernetes, Docker, GCP, AWS (EC2, Lambda, SQS, RDS, SNS), CI/CD
- **AI-Native Engineering:** Cursor, Claude Code, GitHub Copilot, OpenAI API, Claude, Gemini, LLM integrations in production

EXPERIENCE

Senior Backend Engineer **09/2022 – Present**

Food Market Hub *Singapore / Remote*

Supply-chain and procurement platform for food & beverage businesses

- Architected **distributed Node.js/NestJS microservices handling 2M+ requests/day**, decoupling partner syncs into **queue-based async workers** with Redis caching and distributed rate limiting to shield downstream APIs during traffic spikes
- Built **retry, backoff and idempotency** handling across partner webhooks, preventing duplicate writes and kept data consistent through partner-side outages with no manual intervention
- Led the Integration Team delivering **bi-directional sync with 35+ POS/accounting partners** powering **1M+ daily API requests**; owned architecture decisions and drove roadmap priorities with Product
- Cut **latency 30%** and infrastructure cost **$500/month** through PostgreSQL index and query-plan optimization plus data model redesign
- Engineered an **AI-powered onboarding system** using OpenAI API, cutting customer setup from **21 days to 1 day (95% reduction)**

Senior Full-Stack Engineer **07/2021 – 08/2022**

Geeks Invention Pvt. Ltd. *India / Remote*

Product engineering company building EdTech and SaaS platforms

- Promoted to **Team Lead within one month** for delivering scalable backend architecture; **led and mentored a team of 8 engineers** through design reviews and delivery
- Scaled EdTech infrastructure to process **10M+ daily messages via Kafka**, powering real-time engagement and gamification at peak load
- Designed and deployed a **certificate management platform** with secure API-based issuance and tracking
- Built **Leaderboard and Level-Up modules**, increasing student task completion rates by **20%**

Software Developer **12/2017 – 06/2021**

La Net Team Software Solutions Pvt. Ltd. *Surat, India*

Software solutions company building custom products for business operations

- Joined as one of the initial developers (50+ customers); scaled Marketing CRM to **300K+ active customers** on **microservices with Docker & Kubernetes**
- Delivered **real-time analytics**, campaign management and multi-channel integrations (Twilio, Gmail, Facebook APIs)

PROJECTS

Nova AI | joinnova.ai

AI-powered LinkedIn outreach and lead-generation SaaS | Solo-built, live in production

- Owned **100% of the stack**: architecture, backend services, AI integrations, Stripe billing, cloud deployment and CI/CD with no DevOps or platform support
- Engineered a **real-time activity governor** enforcing account-level rate limits from timezone and location/IP signals, with **zero account restrictions across 10+ accounts** under sustained automated load
- Architected **AI-driven lead scoring** and personalized outreach from LLM intent signals, with **human approval gating every message**; **multi-tenant access control** via Postgres row-level security

EDUCATION

Master of Computer Applications
Uka Tarsadia University
06/2016 – 06/2018

Bachelor of Computer Applications
Veer Narmad South Gujarat University
06/2013 – 06/2016