YASH MAKWANA

Backend Software Engineer | Node.js · NestJS · TypeScript · PostgreSQL · Cloud Systems

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Notice Period: 30 Days (Negotiable) | **Open to:** Remote, or relocation to Bengaluru, Pune, Hyderabad, Mumbai, Gurugram

PROFESSIONAL SUMMARY

Backend engineer with 2.8+ years of production experience building Node.js / NestJS microservices and REST/GraphQL APIs on PostgreSQL, GCP and AWS. Delivered 3–4 large-scale multi-tenant enterprise SaaS projects, acting as tech lead and owning system design on two. Improved API performance by up to 40% through PostgreSQL indexing, query optimization and Redis caching, and cut deployment time by 85% with CI/CD on GitHub Actions.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript (ES6+), Python
Backend & APIs: Node.js, NestJS, Express.js, REST, GraphQL (Apollo Server), WebSockets, OpenAPI/Swagger, API Versioning
Architecture: Microservices, Multi-Tenant SaaS, Event-Driven Design, System Design, High Availability, Horizontal Scaling
Databases & Caching: PostgreSQL, Prisma ORM, MongoDB, Redis, Indexing, Query Optimization, Aggregation Pipelines
Queues & Messaging: Bull Queues, CRON Jobs, Kafka (working knowledge)
Cloud & DevOps: GCP (GKE, Cloud Run), AWS (ECS, CloudFront), Docker, Kubernetes (HPA, PDB), GitHub Actions, CI/CD
Security: RBAC, JWT, OAuth 2.0, Passport.js, Rate Limiting, Tenant Isolation, SOC 2-aligned practices
Monitoring & Observability: Sentry, Grafana, Datadog, Logging, Error Tracking
Testing & Tools: Jest, Git, Postman, Puppeteer, Twilio, WebRTC

PROFESSIONAL EXPERIENCE

Backend Developer — Jan 2025 – Present

Weetech Solutions | Surat, Gujarat

- Delivered 3–4 large-scale multi-tenant enterprise SaaS projects on GCP (GKE) and PostgreSQL at 99.9% uptime, with tenant isolation at both database and application layers.
- Tech lead on two of these projects: owned system design and architecture, task breakdown, code reviews and delivery.
- Ran backend as multiple replicas on GKE with HPA, set a Redis PodDisruptionBudget, and verified availability with node drain tests.
- Built NestJS microservices handling 100K+ daily requests using rate limiting, Redis caching and query optimization.
- Designed an RBAC access-control system with workflow automation, reducing manual processing time by 60%.
- Improved API performance by 40% through PostgreSQL indexing and query optimization.
- Cut deployment time from 2 hours to 15 minutes (85% faster) by owning CI/CD on GitHub Actions.
- Built feature toggles and kill switches for safe rollouts and fast production mitigation; mentored junior engineers on TypeScript and API design.

Full Stack Developer — Dec 2023 – Dec 2024

Ellifi Technologies | Surat, Gujarat

- Built REST and GraphQL services (Node.js, PostgreSQL, MongoDB) with average response time under 200 ms.
- Engineered a Puppeteer-based scraping system across 15+ sources, cutting manual data entry by 70%.
- Reduced API latency by 35% with Redis caching on hot read paths and indexing of slow queries.
- Maintained Swagger/OpenAPI documentation for cross-team API development.

SELECTED PROJECTS

- **Home Service Checklist:** Multi-tenant NestJS platform (PostgreSQL + MongoDB) with RBAC, Redis caching and tenant CRON jobs; Dockerized and deployed on GKE.
- **ExecConnect:** Multi-tenant HR platform on PostgreSQL with versioned REST APIs, Twilio integration and SOC 2-aligned security.
- **DreamStride:** PostgreSQL backend APIs with versioning, RBAC, notifications, CDN media and Docker-based CI/CD.
- **HiSurat:** GraphQL APIs (Apollo Server, MongoDB) with rate limiting, OAuth and an admin panel.
- **WebRTC & AI Chatbot (personal):** P2P calling with WebSocket signaling and TURN fallback; LLM-powered chatbot.

EDUCATION

B.Sc., Computer Science and Technology | Veer Narmad South Gujarat University | 2021 – 2024 | CGPA 7.78 / 10

HONORS & AWARDS

- **State-Level Hackathon Winner (2022):** Govt. of Gujarat Innovation Cell with KCG.
- **Certification:** Cyber Security
- **Languages:** English (Professional), Hindi (Native), Gujarati (Native)