

MANISH

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Professional Summary

Software Engineer with one year of experience building backend services and full-stack applications using Node.js, TypeScript, NestJS, PostgreSQL, Redis, React.js and Next.js. Experienced in developing REST APIs, authentication, database optimization, caching, background job processing and production deployments. Passionate about building reliable software using clean architecture and modern engineering practices.

Technical Skills

Languages	Java, TypeScript, JavaScript, SQL, Python
Backend	Node.js, Express.js, NestJS, REST APIs, JWT, RBAC
Frontend	React.js, Next.js, React Native, HTML5, CSS3, Tailwind CSS
Databases	PostgreSQL, MongoDB, Redis, Prisma ORM
Cloud & DevOps	Docker, AWS (EC2, S3), Git, GitHub Actions, Linux, CI/CD
Testing	Jest, Postman, Unit Testing
Concepts	OOP, SOLID, API Design, WebSockets, BullMQ, Agile, SDLC

Experience

Duple IT Solutions Pvt. Ltd. Aug 2025 – Present

Backend Developer / Mohali, Punjab

- Developed and maintained REST APIs using Node.js, TypeScript, Express.js, and PostgreSQL for production applications.
- Designed scalable backend modules for authentication, authorization, bookings, payments, notifications, and business workflows using JWT and RBAC.
- Integrated Stripe payment gateway, email services, and cloud storage providers to support secure transactions and business operations.
- Improved API performance by optimizing PostgreSQL queries, indexing strategies, and Redis caching, reducing response time.
- Implemented asynchronous background processing using BullMQ and Redis for notifications, scheduled jobs, and long-running tasks.
- Containerized backend services using Docker and deployed applications on DigitalOcean, AWS, Railway, and Vercel, managing both standalone deployments and multi-service environments.
- Configured production environments, Docker Compose, reverse proxies, environment variables, and release workflows while monitoring and troubleshooting live applications.
- Collaborated with frontend developers, QA engineers, and product stakeholders in Agile teams, contributing to feature planning, code reviews, testing, deployments, and production support.

Projects

Servyq – Service Marketplace Platform Live

- Built backend services using NestJS, PostgreSQL and Redis for a scalable service marketplace.
- Developed REST APIs supporting bookings, providers, payments and notifications.
- Implemented Redis caching, BullMQ job queues and WebSocket-based real-time communication.
- Improved database performance through query optimization and efficient schema design.

Sahaayikaa – Mental Wellness Platform Live

- Developed a privacy-focused Progressive Web Application using Next.js, TypeScript and MongoDB.
- Built secure authentication, backend APIs and Cloudinary media management.
- Implemented responsive UI, deployment workflows and production configuration.

Dayzo – Productivity Platform GitHub

- Built a full-stack application using Next.js, NestJS, PostgreSQL and Prisma ORM.
- Implemented authentication, RBAC, notifications and audit logging.
- Developed real-time synchronization using Socket.IO and scalable backend architecture.

Education

Bachelor of Technology – Electronics & Communication Engineering 2021–2025
Chandigarh Engineering College, Mohali CGPA: 7.7/10

Certification

NPTEL (IIT Kharagpur) – Cloud Computing