Subhadip Shee

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Professional Summary

Backend Developer with 2.8+ years of experience building scalable systems using **Node.js, NestJS, PostgreSQL, MongoDB**, and modern frontend tooling. Skilled in designing high-performance APIs, real-time services, microservices, and automation systems. Strong focus on clean architecture, reliability, and measurable impact across SaaS, fitness, mobility, and healthcare platforms.

Technical Skills

Languages: JavaScript, TypeScript — **Backend:** Node.js, NestJS, Express.js, REST,
Frontend: React.js, Tailwind CSS, Redux — **Databases:** PostgreSQL, MongoDB, Firebase, TypeORM
Infrastructure: Redis, Kafka, BullMQ, AWS S3, JWT
Tools: Git, Docker, Swagger, CI/CD, Vercel, Firebase Auth
AI: LLM Integration, OCR/NLP, Entity Extraction, AI Agents

Professional Experience

Associate Software Engineer — Fortmindz, Kolkata   Aug 2024 – Present

- Engineered 10+ high-performance NestJS APIs with PostgreSQL, reducing average response time by **35%** using optimized queries and Redis caching.
- Built microservice modules for major products: **BBPro** (Play Store), **GymPods** (Live), **Securdia** (Live), powering 50K+ users with 99.5% uptime.
- Developed real-time fitness tracking, RBAC, authentication, push notifications, and device event workflows supporting 5K+ daily active users.
- Built secure booking, wallet, and transaction systems with multi-location scheduling and payment orchestration.
- Enhanced overall system security by reducing **25% vulnerabilities** through API hardening and end-to-end validation.

Full Stack Developer Intern — Metaverse Ventures (M0), Hyderabad   Feb 2024 – Aug 2024

- Built backend infrastructure for XMail automation system processing **30K+ events/month** and **500+ webhooks/week**.
- Developed full-stack Next.js dashboard with Nylas API, OpenMeter analytics, Kafka event pipelines, and Trigger.dev async workflow engine.
- Designed resilient monitoring, logging, and error recovery ensuring zero data loss in high-volume messaging flows.

Backend Developer — WASS, Kolkata   Sep 2023 – Feb 2024

- Delivered production-grade REST APIs using Node.js, NestJS, and MySQL for e-commerce and mobile systems with thousands of active users.
- Built authentication, product catalog, and order workflow services, including integration for mobility platform **Launch** (Live).

Personal Projects

Design2React – Convert UI Images to Real React Components   Live Demo — GitHub
Full-Stack — React, Node.js, Gemini GenAI, Vision Models, Tailwind CSS

- Built an AI-powered platform that converts Figma frames or UI screenshots into production-ready React components.
- Built this project for my personal use case as I am not strong in CSS and wanted to speed up UI development through automation.
- Implemented image analysis and component-tree extraction using OCR + layout interpretation logic.
- Generated fully responsive React + Tailwind code with clean structure and reusable atomic components.
- Designed a fast upload pipeline with preview, export, and copy-to-clipboard functionality.
- Developed a polished UI/UX optimized for developers to instantly convert UI ideas into working components.

EasyMed – AI-Powered Medicine Alternatives Finder   Live Demo — GitHub
Full-Stack — React, Node.js, NestJS, Gemini/GPT, OCR, PostgreSQL

- Built a healthcare platform that suggests cheaper alternative medicines using AI-based similarity scoring.
- Developed this project to help users quickly find different medicine options with the same salt, dose, and effectiveness.
- Developed OCR pipelines to extract medicine names and dosage from prescriptions (PDF/Images).
- Implemented structured medical reasoning with LLM-driven entity extraction and validated alternatives.
- Built a fast NestJS backend with PostgreSQL + AWS S3, optimized for accurate medical mapping.
- Designed a clean React UI with instant search, upload flow, and real-time medicine comparison.

Education

B.Sc. in Physics, Vidyasagar University   Sept 2019 – May 2022
GPA: 8.8 / 10