

Adarsh Kushwaha

Software Developer | Backend Engineer

+91-7985126588 | Adarshk6600@gmail.com | linkedin.com/in/adarshk27 | github.com/Morax25 | devadarsh.online

Professional Summary

Backend Engineer with 2 years of production experience building software products, microservices, and scalable systems for government and enterprise platforms. Interested in system design, with a long-term goal of becoming a technical architect and owning products end-to-end.

Skills

Languages: JavaScript (ES6+), TypeScript, Python, SQL

Backend: Node.js, Express.js, FastAPI, REST APIs, WebSockets, MVC Architecture

Frontend: React.js, Next.js, Tailwind CSS, shadcn/ui

Databases: PostgreSQL, MongoDB, Redis

Security: Authentication, Authorization, RBAC, JWT, RSA Cryptography, Content Security Policy (CSP)

Messaging: RabbitMQ Pub/Sub, Redis, Event-Driven Architecture

ORMs: Prisma, Mongoose

Cloud & DevOps: AWS EC2, Docker, Git, GitHub Actions, CI/CD

Architecture: Microservices, System Design

Professional Experience

Infoneo Technologies Pvt. Ltd. | *Software Developer*

Dec 2024 – Present, Noida, India

- Delivered and maintained products for **Government of India platforms – BRNS** (Dept. of Atomic Energy), **NCGTC** (Ministry of Finance), and **GAIL Gas** (PSU).
- Architected and delivered **200+ RESTful APIs** using **Node.js, Express.js, and PostgreSQL**.
- Implemented **eMudhra Digital Signature Certificate (DSC)** integration using **RSA cryptography** for secure signing of BRNS documents.
- Researched and implemented Content Security Policy (CSP) across the BRNS platform, collaborating with frontend and DevOps teams to define and deploy security headers.
- Led the implementation of security controls that enabled the BRNS platform to successfully obtain its **VAPT certification**.
- Reduced **PDF generation time for Gail gas Reports from ~20s to ~4s (4–5x improvement)**.
- Implemented **Redis caching** for frequently accessed reports on the GAIL platform, significantly reducing database load and improving report response times.
- Optimized production SQL queries and added indexes, reducing tabular report load times from **~15s to under 1s**.

NadCab Labs | *Software Developer*

Aug 2024 – Sep 2024, Prayagraj, India

- Developed frontend and backend features for **SeedX**, a full-stack crypto trading platform built with **React.js, Node.js**.
- Implemented **authentication and authorization** workflows, contributing to secure user access and protected application routes.

Projects

ChaosFeed

chaosfeed.live

- Built **ChaosFeed**, an anonymous social platform using **Next.js, TypeScript, Node.js, Redis, RabbitMQ, and Socket.io**.
- Implemented real-time **chat rooms and notifications** using **Socket.io** and Redis.
- Built an **AI moderation microservice** in Python using the **Gemini API** and **RabbitMQ** to analyze reported content and trigger moderation actions.
- Containerized the application with **Docker** and deployed it on **AWS EC2** using **GitHub Actions** for CI/CD.

Real Estate Platform

Live URL

- Built a full-stack real estate web application using **Next.js, Tailwind CSS, and shadcn/ui** for the frontend.
- Developed backend using **Node.js, Express.js, TypeScript, MongoDB**, implementing REST APIs and request validation.

Education

Master of Computer Applications (MCA) – Ongoing (2025 – Present) | *IGNOU, India*

Full Stack Web Development Certification | *Techno Savvys, Prayagraj, India*