

Abhijeet Chatterjee

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WORK EXPERIENCE

Freelance Software Developer, Facade Techno Solutions

Dec 2025 - Present

- **Architected** a full-stack platform using **Next.js 14** and **MongoDB**, utilizing **Server Components** to optimize page rendering and SEO performance.
- Engineered a **secure authentication** system with **JWTs** and HTTP-only cookies, integrating **Resend** to deliver transactional emails for account verification and password resets.
- **Integrated** scalable media infrastructure via **Cloudinary**, enabling secure file uploads and optimized content delivery through signed URLs.

Fixed Term Contract - Software Developer, Fidelity International

Jan 2025 - July 2025

- **Migrated** 10+ Java microservices from PaaS to Kubernetes: **Containerized** applications, configured environment-specific **Spring Profiles**, and implemented liveness/readiness probes via **Spring Boot Actuator** for orchestrated health monitoring.
- **Resolved** critical N-1 dependency failures: **Diagnosed Kubernetes egress restrictions** causing health-check timeouts; **collaborated** with ENS to whitelist proxy traffic and **implemented application-level proxy** configurations to restore system stability.
- **Optimized** CI/CD pipelines: **Partnered with DevOps** to integrate required build parameters and validation steps, **ensuring successful automated deployments** for containerized artifacts.
- **Led technical knowledge sharing**: Delivered 4 internal sessions on **Kubernetes** fundamentals, container health probes, and security best practices to **upskill the team** and standardize deployment workflows.

PROJECTS

Dishly - Recipe Discovery & Management

Nov 2025 - Feb 2026

- **Developed RESTful APIs** using **Spring Boot** and Java, leveraging **Spring Web** to handle recipe **data processing** and validation logic.
- Integrated **Spring Data MongoDB** for persistent **NoSQL** storage, utilizing **MongoRepository** interfaces to execute efficient, custom queries on unstructured recipe documents.
- Implemented **Spring Security** with **JWT** for stateless authentication and role-based access control, and **containerized** the application using **Docker** for consistent environment deployment.
- Developed a high-performance, server-rendered frontend using **Next.js 14**, **React 18**, and **TypeScript**. employing **Zustand** for lightweight global state management and **Axios** for type-safe **API integration**.

FILxCONNECT - Social Media Site

Jan 2025 - Mar 2025

- **Full-stack social media platform** with users, posts, likes, comments, direct messages, followers/following, and notifications; frontend built with **Next.js** and backend with **Spring Boot/Spring MVC**.
- Implemented **RESTful APIs** and data access using **Spring Data JPA/Hibernate**; designed **MySQL** (AWS RDS) schemas with proper keys/constraints; integrated **Firebase Authentication** for sign-in/sign-up and token verification with application-level session handling.
- **Deployed** backend on **AWS EC2** and integrated **Cloudinary** for media storage/delivery.

SKILLS

Programming: Java, JavaScript, Python, C/C++

Database: MySQL, MongoDB

Frameworks: Spring Boot, Nextjs, React/Native

Tools: Jenkins, Postman, Harbor, Nexus, ArgoCD, AWS, Azure, Kubernetes

Soft Skills: Teamwork, Adaptability, Communication, Attention to Detail

EDUCATION

Aug 2021 - July 2025

Manav Rachna International Institute of Research and Studies, Faridabad

B. Tech CSE - AIML | GPA: 8.7