Aditya Aggarwal

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aditya9.vercel.app

Education

Bachelor of Computer Science, *Chitkara University*   *2022 – 2026*
                                                                                                         CGPA: 8.0

Technical Skills

Languages: Java, Python, TypeScript, JavaScript, SQL (PostgreSQL, MySQL), HTML, CSS

Backend/Cloud: Spring Boot, Node.js, Express, FastAPI, AWS (EC2, S3), Docker, Kubernetes, gRPC

Frontend/Tools: React.js, Next.js, Redux, Tailwind, MongoDB, Hibernate, Git, CI/CD, Postman

Experience

Full Stack Developer Intern, *Deltospark*   *Remote Jan 2025 – June 2025*

- Spearheaded development of 8+ full-stack web apps using **React, Next.js, and Node.js** for investor-funded startups.
- Optimized database queries and backend logic to support **10,000+ active users**, reducing load times by 40%.
- Collaborated in Agile environments to design scalable architectures, participating in code reviews and implementing **CI/CD pipelines** for automated deployment.

Projects

100xDates (Microservices Social Platform) *Java, Spring Boot, Hibernate, AWS*   100xdates.vercel.app

- Engineered a scalable dating platform for developers using **Java Spring Boot**, handling 100+ concurrent users.
- Implemented **Spring Security** with JWT and OAuth2 for robust authentication and Role-Based Access Control.
- Utilized **Hibernate ORM** for efficient MySQL interactions and deployed backend services on **AWS EC2** using Docker.

Zerobase (Open Source BaaS) *Node.js, PostgreSQL, Docker, React*   github.com/.../zerobaseZB

- Architected a self-hostable Backend-as-a-Service (BaaS) to streamline database management and auth for developers.
- Developed a high-performance **PostgreSQL** interface and real-time logging systems using WebSockets.
- Built an interactive dashboard using **React** and Dockerized the entire stack for easy on-premise deployment.

Market11 (Fintech Trading Simulation) *Node.js, MongoDB, Binance API*

- Built a fantasy trading platform integrating **Binance/Zerodha APIs** to fetch live market data with sub-second latency.
- Designed complex algorithms for portfolio management, simulated profit/loss calculations, and price tracking.
- Secured the application using JWT auth and optimized MongoDB schemas for high-volume read/write operations.

Studyverse (EdTech Platform) *MERN Stack, OpenAI API, Appwrite*   studyverse.pages.dev

- Developed a collaborative learning environment featuring real-time discussion forums and resource sharing.
- Integrated **OpenAI API** to generate personalized study roadmaps and quizzes, enhancing user engagement by 30%.
- Leveraged **Appwrite** for handling backend storage and real-time database subscriptions.