

AFTAB ALAM

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Technical Skills

Languages: Java, JavaScript, **TypeScript**, SQL.

Frontend Development: React.js, Next.js, Redux, RTK Query, HTML, CSS, Tailwind CSS.

Backend Development: Node.js, **Nest.js**, Express.js, **Redis**, **Apache Kafka**, RESTful APIs, WebSocket.

Cloud & DevOps: AWS (EC2, S3, Lambda), Docker.

Databases: MySQL, PostgreSQL, MongoDB.

Other skills: Data Structures and Algorithms, OOP, SOLID Principles, DBMS, Prisma, Database Design.

Experience

Applore Technologies

May 2024 – August 2024

Software Development Engineer - 1

Noida, Uttar Pradesh

- Developed and maintained dynamic web applications using **Next.js** and **React.js** for front-end and **Node.js**, **Express.js**, and **Nest.js** for back-end services.
- Collaborated with cross-functional teams to design and implement **RESTful APIs** with **Redis caching**, improving application performance by **20%** and reducing latency by **30%** to enhance user experience.
- Improved data workflows by **25%** with **MongoDB**, ensuring efficient storage and seamless integration.

Self-Employed

January 2023 – April 2024

Independent Full Stack Developer

Lucknow, Uttar Pradesh

- Built and deployed multiple **full-stack applications** independently, handling front-end and back-end development with **React.js**, **Next.js**, **Node.js**, and databases like **PostgreSQL** and **MongoDB**.
- Designed and implemented **scalable systems** using **Kafka** and **Redis**, achieving **high performance** for real-time applications, including a **flight tracking system** with **30% faster data processing**.
- Optimized application performance by **40%** through efficient database usage, **Redis caching**, and minimized API response times.
- Led end-to-end development, including requirements gathering, feature planning, and deploying containerized applications with **Docker** for **consistent and maintainable code**.

Projects

BookMyFlight | *Next.js, Redux, Node.js, Express.js, Socket.io, MongoDB, Redis, Kafka*

July 2024 - August 2024

- Developed a flight booking application with **Next.js**, **RTK Query**, and **Redux**, supporting seamless booking and flight status checks for over **20,000 users**.
- Improved back-end performance by **30%** using **Node.js**, **Express.js**, and **Redis caching**, while ensuring real-time updates using **Kafka** and **Socket.io**.
- Utilized Docker for consistent deployment and integrated Kafka and Socket.io for real-time updates, notifying users instantly of flight status changes.
- Enabled timely notifications via **Nodemailer** and **Twilio**, and enhanced security with **role-based access control** using **JWT**.
- Link:** [GitHub](#)

MirrorTube | *React.js, Node.js, Express.js, TypeScript, Redis, PostgreSQL*

September 2023 – October 2023

- Led the development of **MirrorTube**, boosting **user engagement by 30%** through innovative feature implementation.
- Integrated key features like **video uploads**, **channel creation**, and **subscription management**, increasing user interactions by **25%**.
- Enhanced **user sign-ups by 20%** with **Google Sign-In** integration and improved security by **15%** through a robust **JWT-based authentication system**.
- Links:** [GitHub](#), [Live](#)

Achievements

Solved more than **500 problems** on both **LeetCode** and **GeeksforGeeks**

LeetCode profile link: [Link](#)

GeeksforGeeks profile link: [Link](#)

Education

Bansal Institute Of Engineering And Technology

Lucknow, Uttar Pradesh

Bachelor of Technology in Computer Science — CGPA 7.16

June 2019 – July 2023