

Ankur Saini

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SKILLS

- **Primary Skills:** Node.js, JavaScript, Redis, Docker, Kafka, Express.js, MongoDB, AWS, Microservices, Django
- **Skills:** GitHub, React.js, Redux Toolkit, Postman, Postgres, Grafana k6

EXPERIENCE

JanBask - IT Services & Consulting · Internship.

July 2024 – Present

Backend Developer Intern

REMOTE

- Developed and debugged backend services for **JBP-core** using **Node.js**, **MongoDB**, **Redis**, **Docker**, **Node Cron**, **sDjango**, and **AWS** services.
- Built and managed APIs for user management and company structure with CRUD functionality, leveraging **Express.js**, **Socket.io**, **Swagger**, and **AWS Lambda**.
- Optimized API performance and integrated third-party services for enhanced functionality and scalability on Chartably Code project.

PROJECTS

Train Booking System ([GitHub Repo Link](#))

Sep 2024 – Dec 2024

Developed a train booking application that enhanced user experience through effective concurrency handling using MongoDB transactions and Redis-based locking mechanisms.

- **Node.js:** Implemented the backend server using Node.js for efficient and scalable performance.
- **Redis:** Utilized Redis for caching frequent data and implementing a locking mechanism to ensure seat availability during booking process.
- **Node-Cron:** Automated data-cleaning jobs and other scheduled tasks.
- **Bull MQ:** Managed OTP and ticket delivery to user emails via a robust message queue.
- **MongoDB:** Handled large datasets and ensured data consistency through transaction capabilities.
- **Arcjet:** Integrated rate-limiting, bot detection, and email validation to enhance application security and reliability with Arcjet.
- **Kubernetes:** Deployed and orchestrated the application for high availability, scalability, and containerized workload management.

Learning Management System ([GitHub Repo Link](#))

Developed a secure and efficient LMS with features for user management and content delivery.

- **Node.js:** Built the backend to handle scalable and high-performance server-side operations..
- **Express.js:** Used to create robust APIs and manage routes efficiently.
- **Nodemailer:** Enabled email notifications for account verification and updates.
- **MongoDB:** Managed large datasets and used the aggregation pipeline for generating insights and reports.
- **Role-Based Access Control (RBAC):** Implemented roles like Admin, Instructor, and Student with specific permissions.

EDUCATION

IIMT University

June 2024

Bachelor of Computer Application -- CGPA: 7.3/10.0.

St. Charles's Inter Collage

May 2021

Intermediate -- Percentage: 73%