

MOHD SAQIB

Software Engineer | Fullstack Developer

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📍 Saharanpur, India ☆ <https://saqibsportfolio.pages.dev/>

EXPERIENCE

Software Engineer

07/2023 - Present

BYJU'S

Gurugram, India

Achievements/Tasks

- **Engineered Fusion Proxy:** Developed a Node.js and Express.js service in a 2-person team, consolidating requests across Aakash, BYJU'S, and Tutor Plus, transitioning vertical infrastructure to a horizontal model to enhance efficiency.
- Coordinated concurrent requests to services, resulting in a reduction of overall response times from an average of 5 seconds to 2 seconds
- Implemented IO Redis to streamline multiple requests in a single connection, resulting in a 50% reduction in data retrieval response times from 3 seconds to 1.5 seconds.
- **Activation Portal:** Developed and implemented a kit activation portal using ReactJS for the BYJU'S learning app in the US, facilitating seamless activation through unique activation codes, contributing to an app with over 10 million downloads.
- **BYJU'S Early Learn:** Provided pivotal support for the backend infrastructure leveraging the robust Ruby on Rails framework. Conducted thorough testing, debugging, and continuous maintenance to ensure sustained system reliability.
- **Database Migration:** Spearheaded and successfully executed a crucial database migration initiative, leading to significant monthly cost reductions totaling \$500.

Software Engineer

01/2023 - 07/2023

BYJU'S Exam Prep (Formerly Gradeup)

Noida, India

Achievements/Tasks

- **Funnel Optimization and CAT college predictor:** Optimized funnels and applied new user engagement strategies, resulting in a substantial 15% increase in lead generation.
- Built a CAT college predictor page, empowering users to accurately assess their eligibility for colleges based on academic performance, leading to a 25% boost in informed decision-making and user interaction.
- **Revamped Workshop Page:** Revamped Workshop Page for diverse states based on user login statuses and actions, achieving a notable 10% post-registration drop-off reduction with engaging hook implementation.
- **CSIR NET Eligibility Calculator:** Crafted and integrated an eligibility calculator for lectureship and JRF, leading to a notable 25% increase in website traffic and an impressive 30% rise in signups.
- **SEO Enhancement and Web Vitals Optimization:** Enhanced SEO and optimized web vitals, focusing on improving CLS and other metrics to enhance website accessibility and performance, contributing to an overall improved user experience and in 10% organic traffic growth.

EDUCATION

Bachelor of Engineering (Computer Science)

2019 - 2023

Chitkara University

Himachal Pradesh,
India

GPA | 9.85 / 10.0

SKILLS

HTML · CSS · JavaScript · React.js ·
Redux · Webpack · SEO · Node.js ·
MongoDB · MySQL · PostgreSQL ·
AWS · SSR · Docker · Git/Github ·
Rails · Core Java · Problem Solving ·
Data Structures and Algorithms

PROJECTS

Bandage: Shopping App

"Bandage," is an E-commerce hub for clothing and accessories.

- Created the application utilizing ReactJS, NodeJS, ExpressJS and PostgreSQL.
- Implemented React lazy loading to optimize page speed and enhance user experience.
- Ensured an impeccable user experience with seamless responsiveness across mobile, tablet, and web interfaces.
- Enhanced scalability by integrating Node cluster, distributing traffic across multiple instances to boost performance.

<https://bandageshopping.pages.dev/>

Chatroom: Chat App

Chatroom is a chat application with real-time seamless communication.

- Utilized ReactJS for the client-side, Rails for the server-side, incorporated WebSocket and Action Cable for real-time communication.
- Enhanced user engagement with Firebase for real-time notifications.
- Optimized notification efficiency by integrating Rails' Sidekiq, achieving a notable 35% improvement in message delivery response times.

<https://chatapp-client.pages.dev/>