

Dev Muliya

Fullstack Engineer • Scalable Systems • Mobile Apps

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Summary

Full stack engineer with hands-on experience in building scalable systems, real-time applications, & enterprise integrations. Skilled in delivering solutions that combine performance optimization with user-focused design.

Experience

Software Engineer | Crest Data Systems - (Onsite)

Since Jan 2024

- Architected **microservices** for an **event marketplace platform**, including a **chat service supporting 1000+ concurrent users** using **Cassandra**, PostgreSQL, and Socket.IO.
- Implemented real-time notification services and integrated third-party booking and **payment APIs**, ensuring secure transactions and reliable updates.
- Delivered **cross-platform React Native mobile application** enabling chat, booking, and event planning with real-time user experiences.
- Engineered **high-volume data ingestion pipelines**, processing thousands of records by batching API responses, reducing latency and improving reliability.
- Enhanced products, including a universal error handling and logging system, minimizing debugging and support overhead.
- **Optimized background processing by converting 10+ scheduled operations into parallelized jobs** leveraging **multithreading**, significantly boosting throughput.
- Contributed to HRMS platform: integrated authentication server support into mobile apps **android & iOS** and published app in both platforms, added Firebase notifications, **feature flagging**, version control, and leave-balance dashboards.
- **Designed Python Flask APIs** with GraphQL endpoints to support HR data queries and system integrations.

Software Engineer | Craft Indika & Tatvasoft – (Remote)

Aug 2023 – Oct 2023

- Built full stack web applications using **Next.js**, **Tailwind CSS**, **Node.js**, and **React.js**, contributing to UI design of an **E-commerce platform craft Indika** and backend service.
- Developed e-commerce and reservation features, improving user experience with search, booking cart, order management, and responsive interfaces.

Projects

Portfolio Website • Personal Project

<https://devmuliya.vercel.app>

- Designed and build a dynamic portfolio using **Next.js** and **Framer Motion**, blending animations.
- Added **Node Mailer** contact form, SEO **google analytics**, dynamic routing, and **server-side rendering**.

ScreenMate Movie Recommendation System • Personal Project

<https://screen-mate.onrender.com>

- Developed a movie recommendation system **leveraging a 1 million movie dataset** from **Kaggle**.

- **Vectorized movie keywords** and computed angular distances for **similarity based** on actors, titles, and keywords.
- **Exposed recommendation engine** via **Python Flask APIs** and integrated TMDB APIs to display rich movie details. in a **searchable recommendation interface** user-friendly UI using **React.js** and **Tailwind CSS**.

Peer-to-Peer Tic Tac Toe • Personal Project

<https://tic-tac-toe-z0ze.onrender.com>

- Created a **real-time**, backend-less Tic Tac Toe game supporting room creation and joining using **socket.io** and **Next.js**.
- Executed **peer-to-peer** game logic enabling instant **gameplay** between users.

Talker Chat App • Personal Project

<https://talker.onrender.com>

- Built a **real-time chat application** using React.js, Node.js, Socket.IO, and MongoDB for secure conversations & security with OTP-based email verification.

Education

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|---|--------------------------------|
| <ul style="list-style-type: none"> • Bachelor of Computer Science and Engineering
L.D. College of Engineering, Ahmedabad, India | 2020 - 24
CGPA: 8.72 |
| <ul style="list-style-type: none"> • Higher Secondary Education in Science (PCM)
Alpha High School, Junagadh, Gujarat, India | 2020
82.46% |

Skills

- **Frontend:** React, React Native, Next.js, Tailwind CSS
- **Backend:** Node.js, Spring Boot, GraphQL, Flask
- **Programming Languages:** JavaScript, TypeScript, C++, Java
- **App Development:** React Native, Flutter, Android
- **Web Concepts:** Microservices, REST APIs, Asynchronous Programming
- **Databases:** PostgreSQL, Cassandra, Hibernate, MongoDB, Firebase