MOHAMMAD HUNAIN SIDDIQUI

hunainsiddiqui93@gmail.com | +91-7249320683 | https://github.com/HunainSiddiqui
hunain.live

Work Experience

Pixonix Ltd | Full Stack Developer   *Sep 2023 - Nov 2023*

- Developed of a robust Compensation Management System for the **Human Resource Management Service,** streamlining compensation processes for multiple employees using **React**
- Innovated and launched an automated salary template system, streamlining payroll processes and saving the **HR department 40 hours per month** while enhancing employee satisfaction with timely and accurate payments.
- Designed and implemented an **Attendance Tracking System** with a user-friendly punch-in/punch-out feature using React, accurately calculating work duration for employees working 12-hour shifts.
- Optimised front-end performance by implementing code-splitting, **lazy loading**, and efficient state management techniques using React hooks and **Redux**.

Projects

Zapper (Link)   *Mar 2024 - May 2024*

Designed and implemented a **Microservices-driven** automation platform using **Node.js**, **TypeScript**, and **React** to support end-to-end workflow automation, enabling users to define customisable, event-based triggers and actions.

- Engineered a modular, horizontally scalable architecture with distinct microservices for the frontend, backend, and **webhook** processing, where the webhook service captures and persists events in **PostgreSQL** via **Prisma**
- Deployed **Kafka** as a central event-streaming service, orchestrating event distribution across microservices to enable real-time, scalable event handling, achieving a 75% increase in processing speed.
- Established a dedicated **worker microservices** for task execution, asynchronously pulling and processing tasks from Kafka queues to offload compute-intensive tasks, reducing execution time by 60%, and ensuring efficient, decoupled action processing across services.

CrowdSync (Link)   *June 2024 - Aug 2024*

Developed a feature-rich backend architecture for a community-oriented learning platform using **Golang** with the **Gin** web framework, structured to support high-concurrency operations and low-latency responses.

- Architected scalable, modularised **RESTful APIs**, with endpoints supporting user management, role-based access control (RBAC), course content delivery, and community interactions, all secured through **JWT-based authentication.**
- Built community-focused modules, enabling threaded discussions, comments, and reactions to foster social learning and peer interaction
- Employed microservices design principles where feasible, with a dedicated service layer for user sessions and content management, allowing for modular and easily maintainable code.

CartCanvas (Link)   *Feb 2023 - Apr 2023*

Built a cutting-edge fashion e-commerce platform using the **MERN** stack, delivering a robust and scalable solution from concept to completion, capable of handling up to 20,000 concurrent users.

- Engineered intuitive user interfaces, including advanced shopping cart management, personalised order filtering, and secure user authentication, elevating the user experience to meet modern e-commerce standards.
- Executed comprehensive security protocols, ensuring the confidentiality and integrity of user data through advanced authentication mechanisms, and role-based access control.
- Containerised the application with Docker and deployed it on an **AWS EC2** instance with a load balancer, achieving 99.95% uptime and ensuring seamless scalability and high availability for 1000's of daily transactions.

Education

Vellore Institute of Technology, India   *Sep 2021 - Jun2025*

- B.Tech Computer Science | CGPA: 8.26

Skills

C++ | Golang | JavaScript | NodeJS | React | MongoDB | TypeScript | Redis | MySQL | Git | Docker | Kafka | AWS

Extracurricular Achievements

- Solved 700+ problems across various platforms with a CodeChef rating of 1599* .
- Finalist in the Flamingo HackerCup 2023 Hackathon, competing among 300+ teams.
- Achieved Zonal Rank 18 in the National Science Olympiad (NSO).

Certification

- Ethnus Certified MERN Full Stack, Jan 2024
- NPTEL Cloud Computing, Apr 2024
- Postman Certified Postman Student Expert, Dec 2023