MohammedZaieem Munshi

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Education

Carleton University   **Jan 2023 – Apr 2024**
Master's of Engineering in Electrical and Computer Engg.   *Ottawa, ON*

Sardar Vallabbhai Patel Institute of Technology   **Aug 2018 – Mar 2022**
Bachelor's of Engineering in Information Technology. (9.5 CGPA / 10)   *Vasad, IN*

Technical Skills

Languages: JavaScript, TypeScript, Java, HTML/CSS, GraphQL, MongoDB, Python
Developer Tools: VS Code, Git (GitHub), WebPack, Postman, MongoDB Compass, Apollo Server, Slack
Technologies/Frameworks: ReactJS, NodeJS (ExpressJS), NextJS, Angular14, Spring Boot 3, Spring REST, Spring MVC, JPA, Hibernate, Bootstrap, OAuth2, React-Relay, Apollo-client/server

Experience

Spreadd   **Jul 2022 – Dec 2022**
MERN Stack Developer   *Vadodara, IN*

- Managed the integration of WhatsApp Business, making it easy for users to receive messages and allowing admins to approve or reject registration requests via WhatsApp. This was done using a separate Microservice.
- Developed and created the RazorPayX SDK for handling cryptocurrency payments within the RazorPay system.
- Successfully contributed to the creation of various Microservices by using Apollo federation, where GraphQL was used as a Query Language. Additionally, I used React-Relay on the Front-end to manage GraphQL queries effectively, making sure data was fetched and displayed smoothly.
- Enhanced the website's performance significantly by restructuring the entire front-end GraphQL system using react-relay fragments. This optimization reduced unnecessary updates in component states, resulting in a smoother user experience.
- Optimised the backend GraphQL schema for Microservices, eliminating redundancy and complexity in schema and data models across different services. This simplification improved data storage and retrieval efficiency while ensuring consistency.
- Wrote Unit tests for backend microservices with more than 95% tests coverage.

Guvi Geek Networks   **Jan 2022 – April 2022**
Software Developer Intern   *Chennai, IN*

- Improved administrative operations by automating various tasks, including the automation of daily emails to enhance efficiency.
- Developed and implemented a range of use-cases, serving over 3000 active students in a live environment, demonstrating proficiency in web application development using the MERN stack.
- Acted as an effective mentor, providing comprehensive instruction on MERN stack concepts and web development to students, earning a top-rated, 5-star mentor status.
- Improved data accessibility for the admin team by implementing a historical tracking system for batches, mentors, task reports, and more, while also optimizing real-time communication and data handling within the system using Socket.IO and Redis. Additionally, designed a visualization chart to display daily student attendance data per batch.
- Designed and implemented numerous use-cases, such as Hackathon, Capstone, Mock-Interview, Leave Applications, Student Report, Certificate Generation, Admin Dashboard, Pre-placement, Placement Flow, Pre-boot camp flow, Mentor History, and Cron-Job automation, to address diverse organizational needs.

Projects

Blog Application | *MERN Stack, TypeScript, React-relay, GraphQL*   **Aug 2022**

- Used GraphQL, Apollo Server, and React Relay to facilitate efficient GraphQL queries and mutations within the project. Utilised Firebase as an image storage solution, enabling seamless image management and storage.
- Enabled users to perform key actions, including creating, liking, unliking, and commenting on blog posts, with the added benefit of React Relay's robust pagination fragment. Integrated a markdown editor to enhance the content creation experience for blog posts.
- Developed custom hooks to facilitate functionalities, such as dynamic title changes and image uploads to the cloud. Added JWT authentication, and utilized React's Context API. Used TypeScript for enhanced type safety and code reliability.

Social Media App | *MERN Stack, Socket.IO, Redux* **Oct 2021**
- Developed a feature-rich social media platform with JWT authentication, Redux state management, and user-friendly features like post management, liking, disliking, comments, follows/unfollows, profile updates, and custom error handling. Firebase handled image storage, and a 24-hour account update restriction was enforced.
- Implemented real-time messaging using Socket.io, enhancing the platform's communication capabilities, and providing users with a seamless messaging experience.

Ecommerce Application | *MERN stack, Redux, PayPal API, Bootstrap* **Aug 2021**
- Designed a full-stack MERN project with JWT-based authentication, Redux for state management, and an admin panel enabling product and user management. Integrated PayPal API for secure payments and utilized React-Bootstrap for enhanced UI, including pagination.

Courses

- GraphQL by Example by Mirko Nasato.

- Understanding TypeScript - 2022 Edition by Maximilian Schwarzmuller

- React - The Complete Guide (incl Hooks, React Router, Redux) By Maximilian Schwarzmüller..

- The Complete Web Development Bootcamp By Angela Yu.

- Spring Boot 3: Learn Spring 6, Spring Core, Spring REST, Spring MVC, Spring Security, Thymeleaf, JPA, and Hibernate.