SURAJ.B

Git : **https://github.com/Brim-Hub**

MERN-Stack Developer

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PROFESSIONALSUMMARY

Results-driven MERN Stack Developer with 4+ years of experience in designing, developing, and deploying high-performance web applications. Skilled in managing full project lifecycles, from initial architecture and design to deployment and maintenance, with a strong focus on scalability and efficiency. Expert in the MERN stack (MongoDB, Express.js, React.js, Node.js), with a proven track record of delivering robust, user-friendly solutions. Known for effective collaboration with cross-functional teams to meet deadlines and exceed client expectations. Passionate about innovation, continuous learning, and applying best practices to deliver exceptional software solutions.

PROFESSIONALEXPERIENCE

IVTREE (Client: Zebra)

EMC Device & Cloud Engineer IN **July 2024**

–November 2024

- Led the development of full-stack applications for Zebra, focusing on front and backend technologies.

- Designed and implemented scalable solutions using modern frameworks and technologies like React, Express.js, Firebase, and JavaScript.

- Collaborated with cross-functional teams to deliver high-quality software products on time and within budget.

- Contributed to the development of secure, efficient, and responsive applications with a focus on user experience and performance.

L-Tech Solutions

Senior Associate

July 2020 – June 2024

- Developed and maintained web applications by writing clean, modular, and efficient code in JavaScript, React, and Node.js.

- Worked on both frontend and backend development, including database integration, API design, and user interface design.

- Played a key role in implementing features such as authentication, data handling, and UI responsiveness.

- Worked closely with product managers and designers to ensure project goals and deadlines were met.

EDUCATIONAL QUALIFICATION

⊞ **BE in Electronics and Communication** from **Visvesvaraya Technological University, Acharya Institute Of Technology.**

Technical Skills

⊞ **Tools : VS Code, Atom, VMware, GitHub, Postman**

⊞ **Operating system : . Windows Linux Family**

⊞ **CSS-Framework : Html, CSS, Bootsrap, Material-UI, AntD**

⊞ **Python : NumPy, Pandas, Matplotlib, Selenium, Beautiful Soup.**

⊞ **JavaScript : Express JS, React JS, Node JS, MongoDB ,Redux ,Axios , JSON , JWT.**

PROJECT PROFILE

Project : Next Gen Stage Now, Profile Export and Import System

Role: EMC Device & Cloud Engineer IN

Environment: Visual Studio Code, Firebase, Express.js, Ant Design, JavaScript (React) **Description:** This project involves the development of a robust system for securely exporting and importing encrypted device profiles. It allows users to efficiently manage device settings through a highly intuitive, responsive frontend interface. The system incorporates custom file processing, encryption/decryption of data, user authentication, and a smooth UI design.

Roles & Responsibilities:

- **Backend Development:**
  - **API Development:** Designed and implemented four core Firebase Cloud Functions for secure profile data handling, achieving 85% test coverage. Ensured that the endpoints featured strong error handling and data validation.
  - **Data Security & Encryption:** Integrated encryption/decryption mechanisms to safeguard sensitive profile data during export/import operations.
  - **Testing:** Developed unit tests for backend functions, ensuring comprehensive test coverage for system reliability.
  - **Data Parsing & File Handling:** Parsed and securely processed data from imported files, applying structured validation methods.

- **Frontend Development:** o **User Interface Design:** Created a responsive UI using React and Ant Design, featuring a custom modal for export options.
  - o **Dynamic & Interactive Components:** Developed components for file uploads, error handling, and validation tooltips with delayed error displays for enhanced UX. o **Download and Export Options:** Enabled multiple export formats (PDF, XML) for easy downloads, with realtime feedback on export success or failure.
  - o **Reusable Components:** Developed reusable components (e.g., CustomButton, CustomTable) with integrated actions, offering scalability and flexibility across various layouts.
- **Reports and Documentation:** o Compiled detailed documentation covering system architecture, design, and functionality. o Proposed and implemented UX improvements, such as progress indicators, error messages, and file integrity checks, to ensure smooth operations during profile import/export.

Project : file uploads, AI generation, and a chatbot for customer support

Role: Full-Stack Developer

Environment: Visual Studio Code, Mongoose, Express.js, Material-UI, JavaScript (React) **Description:** The Chatbot project is a real-time messaging platform developed to streamline communication and collaboration among users. It offers a feature-rich, intuitive interface and supports both individual and group chats. The platform is designed to offer a seamless experience across various devices and browsers.

Roles & Responsibilities:

- **User Interface Design:** Collaborated with the team to design and implement a cohesive, user-friendly interface, ensuring consistency across the application.
- **Server-Side Logic & API Development:** Developed server-side logic, integrated databases and external services, and implemented robust user authentication and authorization protocols. Optimized server performance for scalability and ensured secure data handling.
- **Frontend Development:** Created responsive, interactive frontend components that ensured seamless integration with backend APIs for real-time communication.
- **Cross-Platform Compatibility:** Ensured the application was fully functional across different browsers and platforms, optimizing performance and UX.
- **Collaboration:** Worked closely with UX/UI designers to integrate design elements into the application, enhancing overall usability.
- **Reports and Enhancements:**
  - o Documented the entire development process, outlining the project goals, challenges, and key features.

- Introduced several enhancements such as message reactions, threaded replies, read receipts, and typing indicators to boost user engagement and improve communication clarity.