ANKIT MUDIA

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OBJECTIVE

Versatile Software Engineer with 2+ years of experience in the EV domain. Eager to leverage problem-solving skills and contribute to innovative solutions. Committed to driving growth.

SKILLS

- JavaScript
- Java
- React JS
- Redux
- Next.js
- Data Structures
- Html5 Css3
- ECMAScript6
- Algorithms
- Web Development
- React Hooks
- Git and Github

PROFESSIONAL EXPERIENCE

Software Engineer
Samin Tekmindz Pvt Ltd, Noida, Uttar Pradesh   **September, 2021 - Present**

EV BSS(Battery Swapping Stations)

- Measured significant improvements in team collaboration and code quality, resulting in enhanced development timelines and smoother project deliveries.
- Drove 40% faster data retrieval with Client-side pagination and achieved a remarkable **70% reduction in page load times** with Server-side optimization, elevating user experience.
- Achieved **100% seamless Rest API integration** for enhanced data visualization, leveraging **Apache ECharts** to create dynamic and interactive charts. Resulted in significant improvements in data representation and user engagement.
- Tech Stack - **Javascript, React.js, Redux**, HTML and CSS.

EV Project with V2G (Vehicle-to-Grid)

- Developed user-friendly application interface using **JavaScript** and followed **React JS** best practices and design patterns to create efficient workflows.
- Seamlessly integrated OCPP 1.6 commands into the web application, empowering administrators to effortlessly connect and communicate with simulators and chargers.
- Tech Stack - **Javascript, React.js, Redux**, HTML and CSS.

OCPP (Open Charge Point Protocol) 1.6

- Established a WebSocket connection for real-time bi-directional communication between Charger and Central System (CSMS), utilizing **Apache Kafka** as a middleware for efficient request processing.
- Developed comprehensive **unit test** cases using **Mocha and Chai** for robust code testing and validation.
- Tech Stack - **Nodejs, sequelize, docker**, kafka, postman, swagger.

EDUCATION

Bachelor of Technology   **2018-2021**
Information Technology   **Percentage:** 73%
Guru Gobind Singh Indraprastha University, New Delhi

PROJECTS

JWT Authentication (Reactjs and Nodejs)

- Implemented JWT middleware for secure access to protected routes by authenticated users.
- Implemented secure **JWT authentication** with Node.js and Express.js for robust user credential validation, seamless authentication, and authorization processes.
- [Source Code]