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LeetCode
GitHub
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EXPERIENCE

Sinope Technologies   **April 2022 – June 2024**
Full Stack Engineer (Remote)   *Quebec, Canada*

- **Architected** a **monolithic** application to generate virtual devices that **emulate authentic Sinope devices** via server communication using **WebSocket** connections.

- Crafted a **Node.js micro-service for stress testing**, generating hundreds of thousands of accounts and virtual devices with MongoDB and MySQL for database operations, specifically designed to **pinpoint server breakpoints**.

- Boosted customer **satisfaction by 16%** through the introduction of an **innovative component** that streamlined the process of moving multiple devices between locations, with on-the-fly selection and deselection capabilities.

- Achieved **98% precision in energy-saving and cost readings** through the implementation of a device-automation calendar component and energy consumption graphs.

- **Enhanced AdminUI** by integrating key functionalities such as user email password change dialog and device duplicate identifier detection component, concurrently engineering RESTful APIs, leading to a **25% reduction in administrative errors**.

- Assumed **ownership** of optimizing device automation data load time for the client by implementing **pagination** logic, effectively **addressing prolonged data display delays**.

- Resolved **critical bugs** across multiple Sinope platforms and responsible for **thorough documentation** of all projects undertaken.

SKILLS

Languages	Java, C++, JavaScript(ES6+), TypeScript
Databases and platforms	MongoDB, MySQL, Git
Web Technologies	React, Angular, Node.js, HTML, CSS, MaterialUI, WebSocket API, REST API
Other skills	Data Structures and Algorithms, Agile methodology, documentation

PERSONAL PROJECTS

Art Aficionado - netlify.app | GitHub
An E-Commerce website to provide handicrafts and handmade gifts for special occasions.
- Developed comprehensive features including product **search/filter**, comment pagination, cart management, real-time comments, user profile update and **admin/seller portal**.
- Executed user authentication (**JWT with Bcrypt**) and password reset via **Nodemailer**.
- Integrated payment methods using **Razorpay APIs and PayPal scripts**.
- Utilized tools: React, Redux, Express.js, MongoDB, NodeJS, Socket.IO., AWS s3 bucket.
- Hosted the application on Netlify and the backend services on Heroku.

Chit-Chat - web.app | GitHub
A multi-user, cross-platform messaging app.
- Implemented features like **real-time message transfer**, group creation, and customizable profile details.
- Built scalable UI components such as custom stack and tab **drawer navigators**, hamburger menu, and modals.
- Established user authentication using **Firebase**.
- Tools used: React Native, Expo, expo-image-picker, Firebase Database.
- Deployed the web build on Firebase and generated the Android APK using Expo CLI.

EDUCATION

Bachelor of Technology in Computer Science and Engineering   2018 - 2022
University Of Engineering And Management, Kolkata
CGPA 8.70/10.0