

SAI BARATH R

Software Engineer

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Skills & Interests

Technical: React.js · TypeScript / JavaScript · Java · Spring Boot · Web Flux · MySQL · OAuth-2.0 · Docker · HTML - CSS · Node.js · Webpack

Interests: PC Assembling · Light Novels · Cooking · Badminton

Language: English · Tamil

Professional Experience

Ozonetel Communications

Hyderabad, Telangana, India

Software Engineer

08/2022 - Present

- Spearheaded the transition to React.js, boosting load **performance by 50%** and achieving **100% responsiveness**.
- Awarded **Star Performer for Q3 2023**, delivering 14+ reusable components and rate limiting Api's for customer use case.
- Implemented **WebRTC**, **WebSocket**, and **Service Worker** using **Spring Boot & React**, enhancing real-time communication and **user engagement by 12%**.

Verizon

Chennai, Tamil Nadu, India

Software Engineer Intern

02/2022 - 05/2022

- Updated backend services logic, reducing system **response time by 30%** and **downtime by 50%**.
- Developed RESTful APIs with **Neo4j** graph database, leading to a 40% decrease in API response time.

Projects

Admin Portal - Cloud-based Call Center Solution

09/2022 - 11/2022

Ozonetel Communications - **Java, Spring Boot, Web Flux, Webpack, Formik, React.js, TypeScript, Ag-Grid, Chart.js**

- Empowered **100,000+ call center agents** with Admin Portal, enhancing metrics viewing and communication by providing relevant data to client to visualize meaningful metrics.
- Efficiently managed large data sets, ensuring optimal performance for **800,000 records** using **server-side Pagination & Filters**.

Agent Portal - Cloud-based Call Center Solution

02/2023 - 04/2023

Ozonetel Communications - **React.js, TypeScript, MUI, WebSocket, WebRTC, Service Worker, Redux, Webpack**

- Implemented WebRTC calls and WebSocket chats, reducing communication **latency by 50%**.
- Integrated multiple campaign call types, resulting in a **40% increase in conversion rates**.
- Provided real-time insights (Dashboard), improving **operational efficiency by 35%** and reducing **data analysis time by 50%**.

IVR/ICR Flow Designer - Drag & Drop Flow Design for Calls & Chats

09/2023 - 11/2023

Ozonetel Communications - **React.js, JavaScript, Vite, MUI, Redux, Thunk, Draft.js, ReactFlow**.

- Achieved a 78% reduction in build size (from **14MB to 2MB**) through the strategic implementation of **custom hooks, lazy loading, and higher-order components (HOC)**. This optimization significantly improved application load times and user experience.
- Implemented **Text editor with draft.js**, resulting in a **25% increase in user engagement** through improved formatting and **emoji integration**.
- **Boosted efficiency by 6X** with the integration of **react-flow**, allowing seamless **drag and drop design** for call and chat flows.

Education

SRM Institute of Science & Technology (Deemed University)

Kattankulathur, Tamil Nadu, India

B.Tech, Computer Science and Engineering | GPA: **8.83** / 10

06/2018 - 05/2022

Achievements

Star Performer Award for Q3 FY23

Ozonetel Communications

District First in Mathematics

CBSE Class 12 Board Examination.

Hack Idea Mech - A - Thon - 2020

Top 8 at SRM UNIVERSITY