Balamurugan G

Front End Engineer

bala.advik03@gmail.com | +919942939133 | [LinkedIn](#) | [Portfolio](#)

Objective:

     To leverage my expertise in React and modern web technologies to build high-performance, scalable, and user-centric applications while contributing to the organization's growth.

Experience Summary:

- Experienced Front-End Engineer with 6+ years of expertise in designing and implementing scalable, high-performance web applications.
- Mentored Junior Developers by conducting code reviews, providing guidance on best practices.
- Proficient in React.js, state management tools (Redux, Context API), and modern JavaScript frameworks.
- Adept at optimizing user experience, integrating third-party APIs, and ensuring responsive, accessible designs.
- Proven track record in reducing bugs, improving performance, and delivering exceptional user-centric solutions.

Technical Skills:

- **Programming & Frameworks:** React.js, Next.js, Node.js, Express.js, HTML5, CSS3
- **State Management:** Redux, Context API
- **Databases & Cloud:** MongoDB, PostgreSQL, Firebase, Azure Cloud
- **DevOps & Tools:** Docker, CI/CD Pipelines, Git, Jenkins
- **Testing Tools:** Jest
- **API Integration:** REST API, GraphQL, Axios
- **UI Libraries:** Material-UI, Bootstrap
- **Others:** JWT, Webpack, Babel, SASS, AG-Grid, OAuth

Educational Qualifications:

- Bachelor of Computer Science (B.Sc), Thiagarajar College, Tamilnadu, India | 2015-2018

Awards:

Recognized with an ***On-the-Spot Award*** for exemplary performance in meeting and delivering project requirements on time.

Certifications:

Full Stack MERN Bootcamp
Institution: LearnCodeOnline
Completion Date: September 28, 2022

Professional Experience:

Tata Consultancy Services Pvt. Ltd   *Nov 2021 – Present*

Project: USBank: Common Transaction

- Designed scalable UI components for ATM cashbox balancing, enabling accurate cash calculations and reducing teller transaction errors by 25%.
- Developed a real-time notification system for deposit submissions using Context Provider, improving teller response time.
- Wrote and executed comprehensive Jest test cases, ensuring 90%+ code coverage for critical components.
- Collaborated with cross-functional teams to integrate RESTful APIs for seamless transaction management.

Technologies Used: React JS, React Hooks, Context API, Jest, JavaScript.

Changepond Technologies Pvt. Ltd   *Dec 2020 – Oct 2021*

Project: Roger Organization - Truck Tracking Product

- Implemented an interactive dashboard map using React.js and Google Maps API, visualizing real-time truck routes and statuses.
- Enhanced efficiency by integrating AG-Grid filters for truck data and providing real-time updates with Firebase.
- Streamlined user input handling with a custom React Hook and Material-UI components.
- Optimized API communications with Axios for faster data submission and retrieval.

Technologies Used: React JS, React Hooks, CSS, Material UI, Axios, Firebase, Google Maps API.

IVTL Infoview Technologies Pvt. Ltd   *Aug 2018 – Nov 2020*

Project: Cortex Application & CDDC (Colleague Digital Document Capabilities)

- Enhanced application stability by implementing Redux for state management and reducing bugs by 30%.
- Developed automated workflows for electronic signature management, accelerating processing times by 20%.
- Created retrospective tools to gather feedback and prioritize improvement initiatives, improving team productivity.
- Ensured scalability by integrating asynchronous actions for large-scale applications.

Technologies Used: React JS, React Hooks, Context API, Jest, JavaScript.

Soft Skills:

• Problem-solving • Time management • Design thinking • Active listening • Interpersonal communication