

GANAPATHY RAJA

Software Engineer

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As a motivated full-stack developer with 2.6 years of experience, I specialize in building user-friendly applications using both front-end and back-end technologies. I thrive in dynamic environments quickly adapting to emerging technologies and collaborating effectively with cross-functional teams to deliver high-quality solutions.

EXPERIENCE

Software Developer

SmartRun Technologies

📅 09/2021 - 11/2023 📍 Chennai, India

SmartRun Technologies Pvt. Ltd. is a leading provider of Industry 4.0-driven Smart Factory and Integration Solutions, committed to delivering measurable results for manufacturers globally. As a Software Developer, I am responsible for building and optimizing web applications to support our clients' digital transformation initiatives.

Project: Vendor Portal, Utility Monitoring, MES, ERP, Solor Monitoring System,EMS.

- Designed and developed various front-end screens for multiple client projects using React.js, Ant Design, Redux, and Redux Thunk Middleware alongside HTML, CSS, and JavaScript.
- Utilized HTML, CSS, and JavaScript to create intuitive and visually appealing user interfaces, ensuring seamless user experiences.
- Implemented UI components with Bootstrap and Material UI to align with modern design standards.
- Worked closely with the backend team to test and integrate REST APIs developed with Java Spring Boot and MySQL into front-end applications.
- Contributed to the development of a vendor portal application using a Spring Boot microservices architecture combined with a React.js front end.
- Identified and resolved UI issues across various projects, enhancing overall user experience and application performance.
- Developed a solar energy monitoring dashboard with React.js, including features for real-time data visualization and document uploads using a tree view structure and multipart file upload service.
- Implemented advanced document management functionalities, including a tree view structure and multipart file upload services.
- Created and refined prototype screens for client project proposals, facilitating client decision-making and project kick-off.
- Proactively identified and resolved UI issues across various projects, significantly enhancing user experience and application performance.
- Trained and mentored a team of 5 developers on a React-based project, leading to a marked increase in project delivery speed and overall team efficiency.

SKILLS

React.JS	Node.JS	Express
Java	Spring boot	
JavaScript	TypeScript	HTML
CSS	Bootstrap	Material UI
MySQL	Redux	AWS
GIT	Jira	Agile

PROJECTS

- **Technologies Used:** HTML, CSS, JavaScript, Bootstrap, React.js, Redux, Middleware, Material UI, Node.js, Express, MySQL.
- **Project Overview:** Developed a comprehensive full-stack web application, leveraging modern technologies to deliver a seamless user experience:
- **Front-End Development:** Engineered highly responsive and interactive user interfaces using React.js, Redux, and Material UI. Focused on creating a polished user experience with advanced form handling, including dynamic validation and state management through Redux and middleware. Employed Bootstrap to ensure consistent responsiveness across different devices.
- **Back-End Architecture:** Designed and implemented server-side logic with Node.js and Express, developing RESTful API endpoints to facilitate smooth communication between the front-end and back-end. Implemented middleware for security and data processing, ensuring efficient handling of client requests.
- **Managed database operations,** including data storage, retrieval, and manipulation, optimizing interactions for scalability and reliability using MySQL.

GitHub Repositories: [GitHub Repos](#)

Project: ECR, Task Management, Dashboard, MES Label validation.

- Developed the Task Management dashboard application from the ground up using Spring Boot, JavaScript, and Node.js/Express middleware, delivering a fully functional tool to manage tasks efficiently across teams.
- Built MES label validation screens from scratch using React.js, Redux Thunk Middleware, Node.js, and MySQL. Integrated barcode scanning functionality, fetching barcode details, and validating them against the MES server to ensure label accuracy specific to the scanned product.
- Developed an ECM application using React.js, Node.js, and Express middleware, creating key features such as master screens, dashboards, document upload capabilities, and hierarchical approval metrics to streamline engineering changes.
- Implemented Node.js/Express middleware to handle API requests, ensuring secure and protected communication between the back end and the front end.

HEXASCRIP

Software Engineer Trainee

📅 03/2021 – 05/2021 📍 Chennai, India

- Gained hands-on experience with modern web development practices, tools, and technologies, including version control with GIT and project management using Jira.
- Assisted in developing and managing form handling processes using React.js, including form validation and dynamic form fields. Contributed to the creation of UI screens to improve user interface and experience.
- Identified and resolved UI and functionality bugs in React applications, enhancing overall application stability and performance.
- Worked closely with senior developers to understand project requirements and contribute to code documentation, facilitating better team communication and project tracking.
- Developed and optimized MySQL queries to efficiently handle data retrieval, insertion, and updates.

EDUCATION

PERI institute of technologies, Chennai
BE in Mechanical, 2016 -: CGPA (6/10)

Vetri Vikaas Residential boys Hr Sec School, Salem
HSC, 2010 - 2012 -: Total 65%

Rajah's Hr Sec School, Sivagangai
SSLC, 2009 – 2010 -: Total 60%

INFORMATION

Father's Name: Palani Selvam

Date of Birth: 01/07/1994

Marital Status: Single

Languages: **English:** Fluent & **Tamil:** Native

Social media: [LinkedIn](#) [GitHub](#)