Vijayakumar M

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Profile

- Over 4.5 years of overall IT experience and relevant experience in React JS and SASS.
- Familiar with creating custom reusable components.
- Experience with front-end development and back-end system integration.
- Experience with relational databases and SQL.
- Expertise in using IDE tools such as Notepad++, VS Code, SQL Server Management Studio.
- Strong knowledge and experience in all phases of Agile methodologies.
- Good interpersonal skills, result-oriented, innovative, with a zeal to learn new technologies.
- A good team player with the ability to work in all sorts of environments.

Roles and Responsibilities

- Building reusable components and front-end libraries for future use.
- Working closely with other developers to ensure proper integration of solution elements.
- Monitoring and improving front-end performance.
- Documenting application changes and developing updates.
- Optimizing components for maximum performance across a vast array of web-capable devices and browsers.
- Creating PBI tasks and updating the status in JIRA regularly.
- Conducting code and process reviews to ensure the highest level of quality and create reusable processes.
- Assisted the team in securing projects upon successful completion of POCs.
- Participating in technical discussions, solutions, and tech calls.
- Mentoring colleagues and providing guidance on best practices and development techniques.

Technical Skills

- **Programming Languages:** JavaScript,
- **Web Technologies:** HTML, CSS, SASS, Bootstrap, Webpack, Node Js
- **Frameworks/Libraries:** React JS, Next JS, TypeScript, Jest, Accessibility
- **SQL:** SQL Server, MySQL

Certifications

- **Microsoft Certified: Azure Fundamentals (AZ-900)** - *Issued in [sep, 2023]*
- **Microsoft Certified: Azure Developer Associate (AZ-204)** - *Issued in [Aug, 2025]*

Professional Experience

System Engineer, Tata Consultancy Services (Jul 2022 - Present)
Chennai, Tamil Nadu

- Developed and maintained scalable web applications using React and Redux.
- Implemented RESTful APIs to ensure seamless integration with back-end services.
- Collaborated with cross-functional teams in Agile sprints to deliver high-quality software solutions.
- Conducted code reviews and provided mentorship to junior developers.

Software Development Engineer, Zionext Pte. Ltd (Sep 2021 - Jul 2022)
Chennai, Tamil Nadu

- Designed and implemented responsive user interfaces for web applications.
- Enhanced application performance through optimization techniques, including lazy loading and code splitting.
- Collaborated with QA teams to develop and execute comprehensive testing plans.
- Lead knowledge-sharing sessions to improve team capabilities and project outcomes.

Associate Software Developer, DMI (Oct 2019 - May 2021)
Chennai, Tamil Nadu

- Assisted in the development of a token management system using React JS.
- Implemented unit tests to ensure code quality and functionality.
- Participated in daily stand-ups and sprint planning to discuss project progress and roadblocks.
- Documented technical specifications and user guides for the application.

Projects

U.S. Bank (Jul 2022 – Present)

As a front-end developer at US Bank, I worked on the focusing on creating and maintaining secure, optimized web pages for effective role and account management. My responsibilities included:

- Designing Intuitive User Interfaces: Collaborated with UX/UI designers to create visually appealing and intuitive interfaces that enhance user experience and accessibility.
- State Management with Redux: Implemented Redux for efficient state management, ensuring seamless data flow and synchronization across components, which enhanced application performance and responsiveness.
- Accessibility Compliance: Conducted thorough accessibility evaluations and implemented best practices to ensure that the application is usable for individuals with disabilities, thereby enhancing overall user experience.
- Performance Optimization: Analyzed and optimized front-end performance through techniques such as lazy loading, code splitting, and minimizing render cycles, resulting in faster load times and improved user satisfaction.
- API Integration: Worked closely with back-end developers to ensure seamless API integration, enabling robust functionality and real-time data retrieval for token management.
- Unit Testing: Developed and executed unit tests for components using testing frameworks such as Jest and React Testing Library, ensuring high code quality and reliability through thorough validation of functionality.
- Cross-functional Collaboration: Actively participated in Agile ceremonies, including daily stand-ups and sprint planning, collaborating with cross-functional teams to gather requirements, provide updates, and address any roadblocks.
    Technologies: React JS, Redux, HTML, SASS, Accessibility, Jest, React Testing Library

Pencil Learn (Sep 2021 – Jul 2022)

Contributed significantly to the product development of Pencil Learn by enhancing overall functionality and performance. Key contributions included:

- Development of Reusable UI Components: Created a comprehensive library of reusable UI components that accelerated the development process and ensured design consistency across the application.
- User Interface Design: Collaborated with the design team to build visually engaging and user-centric interfaces that enhance user interaction and satisfaction.
- State Management Optimization: Employed Redux for efficient state management, facilitating smooth transitions and interactions within the application while ensuring reliable data handling.
- Performance Enhancements: Analyzed application performance metrics and implemented optimizations, such as memoization and asynchronous loading, to enhance responsiveness and load times.
- Cross-Team Collaboration: Engaged in regular discussions with product management and QA teams to align on features, gather feedback, and refine user stories, ensuring successful project delivery.

- Testing and Validation: Wrote comprehensive unit tests and integration tests to validate component functionality and ensure the robustness of the application.

  Technologies: React JS, Redux, middleware, Typescript, HTML, SASS, Bootstrap

Ecom Daily News (Jul 2020 – May 2021)

Involved in the development of the Ecom Daily News application, which provides users with access to the latest news updates from the USA. My key responsibilities included:

- Component Development: Created reusable UI components using React JS that are modular and maintainable, allowing for easy updates and integration across the application.
- API Integration: Integrated third-party news APIs to fetch and display real-time news articles, ensuring accurate and timely information for users.
- User Experience Focus: Collaborated with team members to implement a responsive design that enhances user experience across various devices, ensuring accessibility and usability.
- Styling and Layout: Utilized SASS and Bootstrap to style the application, creating visually appealing layouts and improving the overall aesthetics of the user interface.
- Testing and Debugging: Conducted thorough testing and debugging of components to ensure functionality and responsiveness, resulting in a stable and reliable application.

  Technologies: React JS, HTML, SASS, Bootstrap, NodeJs

General Motors

Developed a web-scraping program using Python to automate the process of downloading images for training models. Key contributions included:

- AWS Amplify Integration: Utilized AWS Amplify to manage user authentication and access control, providing a secure interface for users to upload and download images.
- S3 Storage Management: Configured and managed AWS S3 buckets to store and retrieve images efficiently, ensuring scalable and reliable storage solutions for the project.
- Frontend Development: Developed a user-friendly front end using React JS, allowing users to interact with the application seamlessly and perform image uploads and downloads.
- Web Scraping Automation: Implemented a Python-based web scraping solution to gather images from various sources, automating the download process and enhancing data collection for model training.
- Performance Monitoring: Monitored the application for performance and reliability, optimizing the scraping logic to ensure minimal downtime and efficient resource usage.

  Technologies: Python, AWS, React JS, HTML, CSS, Bootstrap

California Dental Association (Dec 2019 - Jul 2020)

Involved in the report development of the COGNOS TOOL and dashboard Development in power BI. My key responsibilities included:

- Designed and developed reports using **Cognos** and **Guidewire Mapping** to support data analysis and decision-making.
- Utilized **Power BI** for creating interactive dashboards to visualize key performance indicators and business insights.
- **Cognos** for generating complex reports, providing users with in-depth analytical capabilities and validate with SQL Query both fields of accuracy.
- **SQL Server** for database management, querying, and ensuring data accuracy.

  Technologies: Guidewire Mapping, Power BI, Cognos, SQL Server

Education

B.E. Mechanical Engineering, K.S. Rangasamy College of Technology, Tiruchengode.