

Keerthana Ayelligadala

Frontend Developer

Portfolio - <https://keerthana504.github.io/Portfolio/>

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Professional Summary

- Frontend developer with 6+ years of experience, specializing in HTML5, CSS3, React, JavaScript, Bootstrap, and Redux, with comprehensive involvement in User research, UI/UX Design, Development, Debugging, and Application Testing.
- Possess a strong grasp of UI design standards, front-end architecture, and a track record of collaborating with designers, business clients, and developers to create and deliver web apps.
- Demonstrated expertise in the complete system life cycle (SDLC) of Enterprise projects including analysis, time estimation, design, development, testing, debugging, maintenance, and enhancements, and was a part of successful releases of 60+ application features in the last 4 years.
- Managed problem-solving skills, decision-making, strategy, attention to detail, delivery, support, troubleshooting and continuous improvements by collaborating with the team of 25 resources on ServiceNow incidents and complex problems of JIRA tickets in a fast-paced environment.
- Proficient in generating and maintaining comprehensive technical documentation materials, encompassing technical documents and best practices, 15 user guides, 50+ testing documentation, 20+ troubleshooting manuals, and 10+ knowledge transfer materials.
- Actively contributed to Agile Methodologies projects, executing change/enhancement deliveries within sprints with project plans, and meticulously tracking development progress via monitoring tools JIRA, Trello ServiceNow, and Azure Boards.
- Orchestrated knowledge transfer sessions, onboarding new team members with essential skills and seamlessly integrating them into team dynamics and processes, accelerated onboarding time by 40%, and increased team productivity by 25%.
- Played a pivotal role as a Subject Market Expertise (SME), contributing to demonstrations, presentations, discussions, and UI development training.
- Displayed adeptness in coaching and mentoring the fellow software engineers, assuming the role of a senior developer in the team of 30 while effectively managing my deliverables and deadlines and conveying timely progress updates to clients and internal stakeholders.
- Successfully juggled concurrent projects, cross-functional teams in optimizing core business flows and user experience across various technologies to improve overall functionality by 15%.
- Possess knowledge with Java, object-oriented programming concepts, and extensive project experience with JSON, database querying, Postman, Web API, microservices, XML and RESTful APIs for seamless integration of front-end to backend.

Technical Skills

Web Technologies	HTML, JavaScript, ES6, CSS, SCSS, jQuery, ReactJS, Bootstrap, Redux, NodeJS, AJAX, SASS, PHP, DOM Manipulation, JSX
Methodologies and Tools	Agile, Waterfall, Scrum, Webpack, NPM, Gulp, Parcel, Babel
Version Controls	Git, GitHub, Gerrit, Bitbucket,
IDE	Visual Studio Code, Liferay 6.1, Eclipse
Operating system	Windows, Linux
DB - SQL / NoSQL	Oracle, MySQL, SQL Server, MongoDB
Cloud / DevOps CI/CD	Microsoft Azure, AWS, Jenkins, Google Cloud

Professional Experience

MedAvail Tech. Inc - Mississauga, ON

Frontend React Developer | Aug 2023 – Present

- Developed, enhanced, and maintained applications end to end written in the tech stack React, React Hooks, React-router, JavaScript, Redux, Node, Tailwind CSS, TypeScript, Oracle SQL, and Azure.
- Implemented interfaces using React components and asynchronous programming for a migration project from Angular to React and improved the styles using CSS3 responsive design with adherence to WCAG web accessibility standards and usability.
- React Router is incorporated to manage client-side routing, allowing the building of single-page apps with straightforward navigation and URL handling. Working together with backend developers, QA teams, and product owners to develop and make our applications robust within the microservices architecture.
- Collaboration with the Product Team of 6 teammates to enhance scalability, frontend infrastructure, and productivity by participating in user research, prototyping, developing wireframes, user stories and mock-ups, with appropriate UI UX design patterns using Figma.
- Applied client-side validations, conducted performance testing, Search Engine Optimization (SEO) implementation and cross-browser compatibility testing for consistent user experiences across various browsers resulting in a 20% increase in user engagement.
- Implemented SASS to streamline and maintain the styling codebase, resulting in cleaner and more maintainable CSS for the project.
- Automated the existing prescription tool that improved user and system interaction by 12%, contributed to code changes, and resolved 25 Azure Board tickets. Branching techniques were used to control code versions, resulting in a smooth integration process using Azure Pipelines.
- Optimization of page performance of 8+ pages of internal dashboard through tools like Lighthouse, Google PageSpeed Insights, and Web Vitals.

Deloitte Consulting USI - Hyderabad, India.

Frontend Developer | Jul 2016 – Dec 2022

- Designed and developed user interface and web pages for large-scale Enterprise SaaS projects with tech stack React, JavaScript, Bootstrap, HTML, CSS, Node.js, and MySQL.
- ReactJS was used to create interactive and performant web applications with reusable components, state management, and virtual DOM for responsive and dynamic user interfaces.
- Developed a responsive multistep self-registration page accommodating various consumer types, achieving a flawless production deployment with a 98% success rate, and enabling 36,000 users to register successfully within a week.
- Developed a chatbot solutions addressing frequently generated customer tickets, streamlining issue resolutions, user guides, and documentation, reporting features, resulting in a substantial reduction of 24% in ticket load.
- Frontend components that interact with microservices have been built, increasing the application's modularity and scalability.
- React Hooks were used to efficiently handle state and side effects, resulting in more simplified and cleaner code that improved development speed and maintainability.
- Bootstrap was used to design visually appealing, responsive web interfaces that ensured great user experiences across a broad range of devices and screen sizes.

- Delivered 65 code enhancements, 28 critical bug fixes in a micro frontend based modular code, 16 JIRA and incident resolutions monthly for a 2-year period and received frequent appreciations through stakeholder feedback for teamwork.
- Collaborated with DevOps team to setup a dependable and automated deployment pipeline for frontend features, lowering release cycle times.
- Implemented pages for a semi-automation tool that increased stakeholder productivity by 33% through profile access and permission addition, leveraging JavaScript features and libraries such as React and Redux for state management.
- Assisted a 10-member co-development team with coding guidance, ensuring timely task completion by swiftly resolving critical website issues, and maintaining seamless business flows and operational continuity.
- Conducted detailed code reviews on Git and provided valuable feedback to fellow developers, mitigating the introduction of new system bugs up to 6%, and ensuring efficient resolution of issues across multiple concurrent projects.
- Led and managed a 6-member team, overseeing work assignments via JIRA, Scrum Calls, and Presentations, while diligently documenting day-to-day activities for future reference.
- Proficiently utilized Jenkins for lower environment deployments, test automation with Jest, conducting quality assurance thorough unit testing, QA, UAT, use cases, continuous integration, and PROD deployment testing for each code change.
- Accountable for generating weekly client meeting reports, encompassing highlights, lowlights, resolutions, and deployment readiness, effectively communicating project status for 24 months.
- Facilitated application maintenance during 4 projects' LIVE, 18 Sprint, and 70 enhancement production deployments ensuring optimal performance through Agile Project Model practices.
- Collaborated with 12+ backend engineers on integrating frontend UI code with backend systems, utilizing JSON for seamless data exchange between the client and server.
- Implemented 6 code enhancements for an insurance project, focusing on increasing page accessibility through features like validations, adding transcripts, PDFs, and alt texts.
- Recognized by the project and business clients, earned appreciation for contributions and successful product releases, alongside receiving 4 Spot Awards and 3 Applause awards for exceptional performance.

Education

Highest level	Bachelor of Technology (2011 -2015) in Computer Science & Engineering
School	Sri Sai Jyothi Engineering College, affiliated to JNTUH