# Keerthana Ayelligadala

**Frontend Developer**

**Portfolio** - [https://keerthana504.github.io/Portfolio/](https://keerthana504.github.io/Portfolio) [Keerthana5.y@gmail.com](mailto:Keerthana5.y@gmail.com) | +15195624621 |Toronto, Ontario

# Professional Summary

* Front-end developer with 7+ years of experience, specializing in HTML, CSS, React.js, 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, frontend 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, 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.
* Experienced in improving the website’s responsiveness across multi-device ranges, modernizing the websites by enhancing the look and feel of the applications using Flexbox, micro- animations, Gird Layouts, white spaces, color contrast and typography.
* 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 Expert (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.
* Possess knowledge with Java and Spring, object-oriented programming concepts, Data structures and Algorithms and extensive project experience with JSON, database querying, Postman, Web API, microservices, XML and RESTful APIs for integration of frontend to backend.

# Technical Skills

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| **Web Technologies** | HTML, JavaScript ES6, CSS, React, jQuery, Bootstrap, Redux, Node, Express, SCSS, PHP, DOM Manipulation, JSX, GraphQL, JSON |
| **Methodologies and Tools** | Agile, Scrum, Micro-services, Micro-Frontends, Webpack, NPM, Gulp, Parcel, Babel |
| **Version Controls & IDE** | Git, GitHub, Gerrit, Bitbucket, Visual Studio Code, Liferay 6.1, Eclipse |
| **Operating System** | Windows, Linux |
| **DB - SQL / NoSQL** | MySQL, MS-SQL Server |
| **Cloud / DevOps CI/CD** | Microsoft Azure DevOps, Jenkins |

**Certifications**

* Responsive Web Design
* React JS & System Design
* Web & Mobile Designer, UI/UX

**Professional Experience**

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| **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.js, Node.js, JavaScript, Redux, Tailwind CSS, TypeScript, SQL, and Docker & Kubernetes in 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.
* Proficient in UI design, web standards, SEO, and accessibility best practices to create user-friendly, compliant, and optimized websites.
* 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 engineers, and product design team to develop and make our applications robust within the microservices architecture.
* Implemented robust authentication and authorization mechanisms, including OAuth, JWT, and RBAC, to control access to sensitive resources and protect user data.
* Collaborate with the Product Team of 6 teammates to enhance scalability, frontend infrastructure, and productivity by participating in user research, prototyping, developing wireframes, prototypes, and mock-ups, with appropriate UI UX design patterns using Figma.
* Implemented SASS to streamline and maintain the styling codebase, to add typography, micro-animations and responsive layouts resulting in cleaner and responsive 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 and cross-browser compatibility of 30+ pages of internal dashboard through tools like Lighthouse, Google PageSpeed Insights, and Web Vitals.

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| **Deloitte Consulting USI - Hyderabad, India.** | ***Web 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.
* React 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.
* Successfully juggled concurrent projects, cross-functional teams in optimizing core business flows and user experience across various technologies to improve overall functionality by 15%.
* Integrated WebSocket into existing applications and platforms to enhance their interactivity and responsiveness. Optimized WebSocket connections for performance, scalability, and reliability, ensuring seamless communication across distributed systems.
* 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.
* Collaborate 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 in Azure using Docker and Kubernetes, Test-Driven Development 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

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