

LAHASYA KAKKADDE RAJANNA

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SUMMARY

Software Engineer with 5+ years of experience, I possess proficiency in JavaScript, TypeScript, React, NodeJS, CSS, and HTML. Dedicated to delivering responsive and scalable solutions while enhancing user experiences. Skilled in collaborating with cross-functional teams and contributing to the improvement of complex systems.

EDUCATION

University of Massachusetts Boston, MA Sep 2022 – Dec 2023

Master of Science in Computer Science; GPA: 4.0

- **Coursework:** User Interface Design (UX Design), Analysis of Algorithms, Software Engineering, Object-Oriented Design and Software Development, Database Management, Applied Machine Learning.

Visvesvaraya Technological University, India Sep 2012 – May 2016

Bachelor of Engineering in Electronics and Communications; GPA: 9.23/10

TECHNICAL SKILLS

- **Programming:** JavaScript, TypeScript, HTML, CSS, Octave, Java. **Back-end:** NodeJS.
- **Front-end Frameworks:** React, Redux, Web Components. **Cloud platforms:** AWS (Amplify, EC2, S3).
- **Web Concepts:** DOM, canvas, rendering, web security, asynchronous programming, workers.
- **Tools:** Git, Agile, Jest/ Enzyme, npm, webpack, babel, GitLab CI/CD pipelines, Figma, SonarQube.
- **Additional Skills:** UX Design Principles, Strong communication, Functional programming, and state management.

WORK EXPERIENCE

Marlabs Innovations Pvt. Ltd - Bangalore, India Oct 2019 – Mar 2022

Senior Software Engineer, Client: Merck Group

- **Front End Development:** Led the Development of responsive web applications using React, Redux, and JavaScript/TypeScript, resulting in improved user experiences.
- **Collaboration:** Contributed to open-source JavaScript components library (liquid design). Collaborated with cross-functional teams, including managers and UX Designers, to prototype, conceptualize and implement new features.
- **Testing:** Achieved 90%+ code test coverage through unit testing and utilized SonarQube for vulnerability detection, leading to a 35% reduction in production bugs.
- **Up-skilling:** Constantly learned and adopted new web technologies to propose innovative solutions to problems.
- **Mentoring:** Conducted up-skilling sessions on various topics, and regular code reviews to maintain code quality.
- **User-Centric Approach:** Employed user compassion for requirements analysis, enhancing user experiences.
- **Performance optimization:** Implemented code splitting, lazy loading, and caching strategies.

Infosys Limited - Bangalore, India May 2016 – Oct 2019

Senior System Engineer

- **Requirement Gathering:** Gathered project requirements by thoroughly understanding the client's needs.
- **UX Design and Interface Development:** Led user-friendly interface development with complex UX designs.
- **Independent Delivery:** Managed the complete product feature lifecycle independently, from requirements to deployment.
- **Deployment optimization:** Accomplished a reduction of over 50% in deployment tracker time.

PROJECTS

- **Collaborative Segmentation Software:** Implement a browser-based online annotation tool for 3D medical image volumes, enabling real-time collaboration using JavaScript, HTML, and CSS with Pusher. – [\[Project Link\]](#)
- **CryptoLib:** Developed a Cryptography library in JavaScript and NodeJS – [\[Project Link\]](#)
- **MYSITE:** Crafted React application for site observation recording using Liquid-design, TypeScript, Redux, and CSS3. Attained a 30% reduction in user errors with a user-friendly interface.
- **Sustainable Business Value:** Built a React and TypeScript web app for efficient SBV calculation. Adopted React reusable components, which enhanced the development process by 40%.
- **On Demand Knowledge:** Crafted an educational platform using React and Material-UI. Performed SonarQube Analysis, reducing production bugs by 35% and setting a new quality standard for future projects.
- **CADRE:** Created a responsive trip management application with React, ant-design, HTML, CSS, and NodeJS.

LEADERSHIP & TEAMWORK

- Actively engaged with the college community as Event Coordinator for the annual fest, organizing various cultural and technical events. Built an inclusive atmosphere and promoted high participation (2012-2016).
- Recognized with the "Best Performer" award for outstanding work, in 2018.