Akshay Bhandary
Front-End Developer
akshaybhandaryg1@gmail.com | (408) 646-2891 | Portfolio | GitHub | LinkedIn

Experience

Santa Clara University **Santa Clara, CA**
Front-End Developer Nov 2023–Present
- Optimized mobile app performance by achieving a **15% increase in app speed** and enhancing user engagement through improved responsiveness and efficiency, implementing **Figma screens with React Native**, and conducting meticulous code optimization and testing.
- Led a cross-functional team to streamline the backend API integration process, achieving a **20% reduction in data retrieval times** and enhancing the app's real-time functionality by coordinating effectively between front-end and back-end developers.
- Instituted robust error-handling and debugging processes for mobile development, **decreasing app crash rates by 30%** and elevating overall app stability and user trust through systematic identification and resolution of critical issues.

Chera Health LLC **Santa Clara, CA**
Software Engineer Intern - Frontend Engineer July 2023–Sept 2023
- Implemented a user-friendly and responsive web-based chat interface that **increased the query accuracy rate to 95%** and accelerated response times by 40%, leveraging my skills in **Python** and web development alongside **OpenAI's GPT-3.5 API**.
- Modified the Chera Health Website to include an "update address" feature, enhancing user satisfaction and ensuring seamless integration, utilizing my expertise in **ReactJS** and understanding of user-centric design principles.
- Developed and executed comprehensive test cases for API functionality, resulting in high-quality performance and reliability with zero critical bugs in post-deployment checks, applying my knowledge in software testing, QA methodologies.

Infosys **Pune, India**
Front-End Developer June 2018-Dec 2021
- Designed and developed a dashboard using **ReactJS, JavaScript,** and **Redux**, resulting in a 40% increase in efficiency in managing investment portfolios for **UBS**.
- Integrated multiple Java-based proprietary **REST APIs** with the dashboard, reducing data retrieval time by **25%** and improving overall system performance.
- Implemented **Jest automation**, achieving a **32% reduction** in manual testing and enhancing test accuracy by **97%**.
- Designed and improved front-end UI of the Client's web-app using **HTML, CSS, JavaScript**, and **LESS Preprocessor**, leading to a **26%** increase in user engagement and a **21%** decrease in bounce rate.
- Worked collaboratively with a team of **3 QA testers** to conduct comprehensive manual UI and functional testing for 15 different applications, ensuring high-quality deliverables and a **34% reduction in post-release defects**.
- Mentored new joiners to understand their projects and team processes. Collaborated with Onshore and Offshore Client Teams to carry out project hand-offs
- Implemented automation script using **Java** to create reports of changes made to **HTML** files and print them in spreadsheet **saving 35-40 hours** of manual work per week and improving communication efficiency by **30%**.

Skills

Languages: JavaScript, TypeScript, Python, SQL, HTML5, CSS3, Java
Web Technologies: ReactJS, NextJS, React Native, SCSS, Material UI, Tailwind, Redux-Saga, Node.JS, Jest
Database: MySQL, MSSQL, PostgreSQL, MongoDB, PL/SQL
Others: D3.JS, RestAPI, GraphQL, AWS, Agile, JIRA, Babel, Scrum

Projects

LingoPy (Python, OpenAI, tkinter) Feb 2024–Present
- Developed LingoPy, a desktop application that automates web development localization via OpenAI, enabling efficient, multilingual content creation. The intuitive tkinter-based GUI simplifies user workflow, significantly enhancing localization productivity and effectiveness in web projects.

Proximity Lab Dashboard (Java, Spring Boot, MySQL) - FullStack Developer Jan 2023–May 2023
- Collaborated with a team of 3 **Java** developers to design and integrated admin panel features using **Java technologies**, including **Spring Boot** and **Thymeleaf** of the Proximity Lab website dashboard.
- Connected the dashboard to **MySQL** Database ensuring efficient storage and retrieval of information while handling scalability and load balancing requirements culminating in a substantial **25% dashboard load time reduction** and a **40% surge in user engagement**

Education

Masters of Science in Computer Science and Engineering **Jan 2022-Dec 2023**
Santa Clara University 3.6 GPA Santa Clara, CA
Learning Modules: Distributed Systems, Machine Learning, Advanced Operating Systems, Computer Networks
Bachelor of Technology in Computer Science and Engineering **May 2014-May 2018**
SRM University 3.9 GPA Chennai, India
Learning Modules: Data Structures and Algorithms, Web Technology, Database Management System, Software Engineering, Object Oriented Analysis and Design