

Hariharan Mohan | Software Engineer

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SUMMARY

Highly skilled software development engineer with experience in building secure, reusable UI components using HTML5, CSS3, JavaScript ES6, and React. Proficient in enhancing user experience, integrating RESTful APIs, managing complex application states, and implementing CI/CD pipelines for efficient testing and seamless deployment of applications.

EDUCATION

Wichita State University | Master of Science in Computer Science | Wichita, KS

Aug 2022 - May 2024

Full time student and part time student assistant transitioned to graduate research assistant at ITS Telecommunication Wichita State.

WORK EXPERIENCE

Surge - Verizon | Software Engineer | Temple Terrace, FL

Aug 2024 - Present

- Developed core UI component of the evidence management system utilizing HTML, CSS, SASS, JavaScript, TypeScript and React incorporating best design practices, resulting in a 10% improvement in user experience.
- Optimized web accessibility and SEO of the web application with HTML5 semantics and ARIA roles, achieving Web Content Accessibility Guidelines compliance and boosting page performance by 5%.
- Utilized Redux for efficient state management, streamlining data flow and reducing API call frequency by 8%.
- Integrated RESTful APIs over HTTPS using Axios and asynchronous APIs for secure data retrieval and user authentication, along with Postman for testing, improving data access speed by 10%.
- Optimized performance and debugging with React Developer Tools and Redux Developer Tools, improving rendering efficiency and development speed.
- Managed CI/CD pipelines utilizing GitHub, Jenkins, and AWS to build and deploy scalable, cloud-based solutions, enhancing team collaboration and accelerating deployment processes.
- Communicated progress and addressed blockers in daily stand-up meetings, adhering to Agile methodologies, facilitating sprint planning, and enhancing team efficiency.

Porter Lee Corporation | Software Developer Intern | Schaumburg, IL

May 2024 - Aug 2022

- Developed core transaction feature of the evidence management system utilizing React Native, TypeScript and Redux incorporating modern development standards, resulting in a 6% improvement in the evidence transfer rate.
- Optimized Authentication by leveraging JWT and local storage of the mobile application by strictly following security principles which produced active session persistence to the users.

Surge IT Technology Solutions | Software Engineer | Chennai, India

Mar 2021 - Jun 2022

- Optimized state management by utilizing React Context API, minimizing prop drilling and enhancing maintainability by 15%.
- Built reusable UI components using HTML, JavaScript ES6, TypeScript, React and jQuery, along with server-side rendering utilizing Next.js, which improved SEO and reduced initial page load time by 20%.
- Enhanced the UI/UX and responsiveness of a page in a large-scale web application using Figma, CSS, and Material UI, boosting user retention by 5% and ensuring scalable, consistent design.
- Enhanced React code bundling and asset management using Webpack and Babel, reducing load times by 15% and improving performance efficiency.
- Implemented modules into Node JS to integrate with designs and requirements.
- Utilized React Testing Library and conducted thorough design and code reviews to create comprehensive unit tests for React components, ensuring high test coverage and reducing bugs in production.

Accenture | Application Development Associate | Mumbai, India

Apr 2019 - Mar 2022

- Engineered an automated reporting tool for daily health checks of an E-commerce application using HTML, CSS, JavaScript, React, saving 2 hours of manual work and reducing cost by 30%.
- Led a server migration for a critical reinsurance application upgrade by collaborating with cross-functional teams, reducing deployment downtime by 15%.
- Applied functional programming paradigms in React using hooks and higher-order components, leading to a more modular and maintainable codebase.
- Conducted debugging and end-to-end issue resolution through unit testing, ensuring software quality and achieving a 100% issue resolution rate across projects.

SKILLS

Languages & Frameworks: Java, JavaScript, TypeScript, C#, SQL, React, Node.js, Express.js, RESTful, Redux, HTML/ HTML5, CSS/ CSS3, Tailwind CSS, SASS

Database & Cloud: Microsoft SQL Server, PostgreSQL, MongoDB, Oracle, AWS, Google Cloud Platform (GCP), Firebase

Development Tools: Webpack, Babel, Vite, Docker, Postman, Visual Studio Code, Chrome Developer Tools

Version Control & Project Management: Git, GitHub, Agile, Scrum, Jira

LEADERSHIP AND CERTIFICATIONS

- Initiated and led an event between Network and Telecom teams, improving student job procedures and enhancing workflow efficiency.
- Azure
- Developer Associate AWS