

HIMAJA CHINNAM

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SUMMARY

Software Engineer with 2+ years of experience in developing high-performance web applications using React and scalable backend services. Skilled in building responsive interfaces, optimizing performance, and delivering innovative solutions.

EDUCATION

Master of Computer Science, Binghamton University, State University of New York, GPA: 3.73/4.00 Dec 2024
Relevant Coursework: Programming for the Web, Cloud Computing (AWS, GCP), Database Systems, Operating Systems, Software Engineering, Computer Networks

SKILLS

Programming Languages: JavaScript, Typescript, Java, Python, C, SQL
Frontend Development: ReactJS, Redux, Next.js, jQuery, Bootstrap, Tailwind CSS, Material-UI, SASS, HTML, CSS
Backend Development: Node.js, Express.js, REST APIs, GraphQL, OAuth 2.0
Databases & Cloud: MySQL, MongoDB, NoSQL, AWS, GCP
Tools & Testing: Jest, React Testing Library, Unit Testing, Test-Driven Development (TDD)

EXPERIENCE

Graduate Student Assistant Aug 2023 - Dec 2023
Binghamton University *Binghamton, NY*

- Guided 40 graduate students in INFO 591X (Python Practicum), boosting their understanding of the Fall 2023 curriculum.
- Facilitated office hours, enhancing course comprehension and improving students' performance in Python.

Software Engineer Jan 2021 - Dec 2022
IBM India Pvt Ltd *Karnataka, India*

- Built rich web user interfaces using TypeScript, React, JSX, Webpack and Redux for applications in the petroleum industry, improving user engagement and cutting page load times by 40% through code optimization and lazy loading techniques.
- Skilled in developing reusable web components and implementing user-centric designs. Demonstrated success in leveraging React, TypeScript, JavaScript (ES6), SASS and Material UI to deliver high-quality results.
- Implemented responsive design principles and SEO best practices, ensuring a smooth experience across devices, resulting in a 25% increase in mobile user satisfaction, a 15% reduction in bounce rates, and improved search engine visibility.
- Involved in all stages of SDLC including Requirement Analysis, Design, and Implementation in Agile Methodology, while seamlessly integrating software best practices like Test-driven Development (TDD), Continuous Integration (CI), and Continuous Delivery (CD).
- Developed and optimized RESTful APIs using Java, integrating with MySQL databases to ensure efficient data retrieval, seamless interaction between services, and high performance under varying load conditions.
- Upgraded a website from React v0.14.8 to v16.13.1, improving performance and scalability, while using ReactJS, AJAX and Axios to enhance UI responsiveness and boost repeat purchases.
- Integrated Single Sign-On (SSO) across multiple websites using JavaScript (ES6+), React, and Microservices to streamline authentication and wrote Jest unit tests to ensure functionality and security.
- Optimized UI frameworks and collaborated with UX teams to deliver user-focused designs, boosting satisfaction by 25%.
- Tested 600+ REST Assured API scripts using Eclipse, Postman, and managed defects with VersionOne, HP ALM, Rally.
- Integrated automated scripts for regression testing into a CI/CD pipeline using GitHub Actions and Maven.

PROJECTS

Movie Recommendation Platform Aug 2024 - Dec 2024

- Created a React-based movie recommendation app integrating Tailwind, Redux, Firebase Auth, and the OpenAI API.
- Implemented secure Firebase Authentication and tested with Jest and React Testing Library, ensuring reliable user management and app performance.
- Processed data for 1,000+ movies, enabling smart search functionality with an intuitive, user-friendly interface.

Food Ordering App Jan 2024 - Jun 2024

- Built a ReactJS ES6 application with Redux for state management and efficient routing with dynamic DOM manipulation.
- Designed a responsive UI with Tailwind CSS v3.0 and optimized performance using Parcel for HMR and code splitting.

GCP-Powered Live Chat Service Jan 2023 - Apr 2023

- Containerized MongoDB and web server using Docker to streamline deployment and enhance scalability for the application.
- Managed a 3-node Kubernetes cluster to orchestrate services ensuring high reliability and scalability for the live chat platform.