

Himaja Chinnam

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EDUCATION

Binghamton University, State University of New York

Master of Science in Computer Science

Jan 2023 - Dec 2024

Cumulative GPA: 3.73 /4.00

Coursework: Design & Analysis of Computer Algorithms, Database Management, Operating Systems, Computer Networks, Cloud Computing, Software & Engineering Project Management, Programming Languages.

TECHNICAL SKILLS

Languages: JavaScript, Typescript, Java, Python, C, SQL

Technologies and Frameworks: HTML, CSS, ReactJS, Redux, Next.js, Node.js, Express.js, jQuery, Bootstrap, Tailwind CSS

Platforms: Unix/Linux, Windows, Visual Studio Code, Eclipse, IntelliJ IDEA, Google Cloud Platform

Tools/Others: Figma, NPM, MongoDB, MySQL, Docker, Kubernetes, Postman, Maven, SOAP UI, Git, Jira, Agile, REST APIs

Certifications: Microsoft Certified Azure Fundamentals, AWS Certified Cloud Practitioner

WORK EXPERIENCE

Graduate Grader, Binghamton University | Binghamton, New York

Aug 2023 – Present

- Guided 40 graduate students in INFO 591X (Python Practicum), boosting their understanding of the Fall 2023 curriculum.
- Facilitated office hours, enhancing course understanding and improving students' performance in Python by 30%.

IBM India Pvt Ltd, Software Engineer | Bangalore, India

Jan 2021 – Dec 2022

Web Developer, Ecommerce

- Developed high-performance React app using HTML5, CSS3, JavaScript, JSX, Webpack, SASS, and Redux to enhance state management and user experience while increasing maintainability by 20%.
- Optimized and developed reusable modular UI components that ensured faster load times and smooth user interactions while adhering to best practices significantly improving application performance.
- Created scalable backend services and RESTful APIs with Java, integrating effectively with MySQL databases
- Integrated UI components with APIs and back-end services, ensuring high code quality through reviews and tests.

Frontend Developer, Transportation

- Analyzed and transitioned a website from React v0.14.8 to v16.13.1, enhancing performance and scalability.
- Designed UI with ReactJS and Axios for AJAX calls boosting responsiveness and functionality increasing repeat purchases.
- Devised websites showcasing relevant offers on Available, Active, and Redeem tabs post user authentication and authorization with 1M+ logins.
- Performed unit testing with Jest for code quality and employed CSS3 Grid/Flexbox for personalized styling.
- Collaborated using GIT and JIRA for bug tracking achieving a notable drop in customer complaints from 8% to 0.5%.

Test Specialist, Financial Services

- Tested and debugged over 600 REST Assured API automation scripts in Eclipse and Postman, and used versionOne, HP ALM and Rally defect tracking tools for managing user stories and defects.
- Integrated automated scripts for regression testing into a CI/CD pipeline using GitHub Actions and Maven.
- Designed and developed test plans, test cases and implemented automated test suites to improve efficiency and coverage.
- Developed comprehensive test strategies and designed automation frameworks to optimize testing processes.

PROJECT EXPERIENCE

GCP-Powered Live Chat Service

Jan 2023 – May 2023

- Containerized MongoDB and web server with Docker for in a team of 4 simplified deployment and scalability.
- Leveraged MongoDB in Kubernetes pods for seamless communication and storage, enabling scalable chat deployment.
- Managed 3-node Kubernetes cluster, deploying two-tier chat app using YAML for efficient orchestration.

Food Ordering App

Jan 2024 – Jun 2023

- Built an interactive ReactJS ES6 app with Redux for state management and routing with DOM manipulation for navigation.
- Designed a responsive UI using Tailwind CSS v3.0, delivering a seamless and intuitive user experience.
- Integrated Firebase for efficient data management and user verification ensuring smooth real-time updates.
- Used Parcel for Hot Module Replacement, Caching, Image Optimization, and Code Splitting to boost performance.
- Conducted thorough unit testing, integration testing and end-to-end testing using Jest with React Testing Library.

ACHIEVEMENTS AND AWARDS

- Recognized with the IBM 2021 Best GBS Associate Award among 300+ recent graduates for exceptional contributions.
- Honored as Star of the Month 2022 at IBM for engaging with clients through demos and ensuring timely project delivery.