

LOURDU ROHITH REDDY GALI

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EDUCATION

University Of Wisconsin-Milwaukee

January 2022 - December 2023

Master of Science in Computer Science

Milwaukee, Wisconsin

EXPERIENCE

Walmart - Frontend Full Stack Developer

February 2024 – Present

React, Node JS, GraphQL, JavaScript, Jest, Splunk, Azure, Kubernetes, Git, Figma

Farmers Branch, Texas

- Engineered modern single-page applications (SPAs) using the **React** framework, which improved loading times by 40% and enhanced user engagement metrics by integrating **GraphQL** APIs for real-time data management and efficient fetching.
- Transitioned legacy **Node.js** APIs to a streamlined GraphQL architecture, integrating vital **authentication** processes, this effort improved response time by 40%, enabling faster customer interactions and enhancing user satisfaction across the platform.
- Developed a comprehensive dashboard in **Splunk** to monitor and resolve over 10 OTP related errors, improving response times by 50% and ensuring seamless user access to services without interruption.
- Implemented **multi-factor authentication** (MFA) using GraphQL mutations, successfully onboarding over 200,000 users while reducing fraud incidents by 40%, enhancing overall security and user trust in the platform.
- Crafted comprehensive **test cases** for all resolvers using **Jest**, achieving a remarkable 100% code coverage, this initiative significantly boosted code quality and eliminated future regressions across a codebase of 50+ modules.
- Orchestrated comprehensive documentation of 25+ **APIs** and established version control protocols with **Git**; maintained over 100 branches and 500 commits, significantly improving code transparency and team efficiency during **Agile** sprints.
- Restructured a robust **CI/CD** framework utilizing Walmart Cloud Native Platform (WCNP) within Kubernetes, achieving a 40% reduction in deployment time; the system now supports automated deployment for over 10 microservices across multiple environments.

University Of Wisconsin Milwaukee - Web Developer & Teaching Assistant

February 2022 – December 2023

Angular, AWS, Azure, Git

Milwaukee, Wisconsin

- Architected an innovative course selection platform with **Angular** that streamlined the user interface, resulting in 1,000+ unique course selections processed monthly, significantly improving student engagement and satisfaction with the registration process.
- Led the transition of the Angular UI library from version **9** to **14**, integrating modern coding standards and practices and refined development processes, enabling a 50% faster deployment cycle and reducing maintenance time significantly.
- Facilitated over 25 interactive feedback sessions for **Cloud computing** projects, resulting in enhanced student clarity on complex topics; feedback led to a significant decline in assignment revision requests by 30%.

Walking Tree Technologies - Senior Software Engineer

August 2018 – December 2021

Angular, Node JS, Express, Prime NG, NGRX, RXJS, AWS, PostgreSQL, Git

Hyderabad, India

- Architected and deployed feature-rich web applications using **HTML5**, **CSS**, **Angular** (6-14), and **Bootstrap**; constructed over 50 scalable APIs with **Node.js** and **Express**, driving a 40% increase in data retrieval efficiency.
- Spearheaded the integration of **lazy loading** in Angular, optimizing application load times by reducing initial rendering time by 40%; this enhancement boosted engagement metrics among users by effectively retaining 90% of new visitors.
- Accelerated development by 30% by creating reusable components using **Angular Material**, and **Prime NG**, integrating **NGRX** for efficient state management. Achieved robust data sharing across components using the **RXJS** library and observables.
- Developed a cost-effective serverless Angular application with 15% faster development time, deployed over 10+ scalable APIs on **AWS API Gateway** for seamless user interaction, and implemented performance-optimized **PostgreSQL** procedures that increased database efficiency by 25%.
- Maintained a flawless deployment record (100%) on modern cloud infrastructure and ensured high application uptime through efficient debugging (Chrome Developer Tools).

ACADEMIC PROJECTS

Double Insertion Sort

Java, Eclipse, Git

- Enhanced traditional Insertion Sort by implementing a Double Insertion Sort algorithm, leading to a 33% average-case speed improvement and 50% worst-case speed improvement.

TECHNICAL SKILLS

- Programming Languages:** Angular, React, Node JS, Express, GraphQL, JavaScript, Java, HTML, CSS, TypeScript.
- Other Technologies:** AWS, Azure, MySQL, PostgreSQL, Git, Agile, Mac OS X, Windows 7/8/10, Google Maps, D3 JS, Visual Studio, Eclipse, Chrome/IE developer tools, Jira, Asana, Figma, Adobe.