

# LOURDU ROHITH REDDY GALI

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## EDUCATION

**University Of Wisconsin-Milwaukee**  
Master of Science in Computer Science

January 2022 - December 2023  
Milwaukee, Wisconsin

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## 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 and integrated GraphQL APIs for efficient data fetching and management.
- Migrated 20+ Node JS APIs to GraphQL which included authentication flows like sign-up, sign-in, OTP generation, validation, and password management, and consolidated 6 Node JS APIs into a single GraphQL mutation for OTP generation, improving maintainability and reducing complexity.
- Implemented MFA with GraphQL mutations and onboarded over 200000 users while reducing fraud, and also put up a dashboard in Splunk to track and resolve more than 10 OTP-related errors.
- Wrote test cases for all resolvers using Jest, achieving 100% code coverage, ensuring code quality and reducing future regressions.
- Actively participated in Agile meetings, documented APIs and versioned code using Git (100+ branches, 500+ commits) for smooth teamwork.

**University Of Wisconsin Milwaukee - Web Developer & Teaching Assistant**

February 2022 – December 2023

*Angular, AWS, Azure, Git*

Milwaukee, Wisconsin

- Developed a course selection website using Angular with reusable components and improved page load speed by 20%.
- Upgraded Angular 9 to 14, including the best practices in a way that increased code maintainability and made sure of pixel-perfect delivery of UI with 98% matching.
- Empowered student success in Cloud computing assignments by facilitating targeted Q&A sessions and providing constructive feedback that led to a 10% gain in understanding.

**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 built feature rich web apps using HTML5, CSS, Angular (6-14), and Bootstrap. Crafted 50+ scalable APIs (Node.js & Express) for seamless data exchange.
  - Optimized application performance by 25% through lazy loading implementation in Angular, utilizing Router modules for efficient navigation.
  - Accelerated development by 30% through the creation of 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).
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## ACADEMIC PROJECTS

**Movie Recommendation Tool**

*Python, Flask, Git*

- Translated a research article on collaborative filtering into a practical implementation, developing a personalized movie recommendation system using Python and Flask. Leveraged cosine similarity and k-nearest neighbors for the user.

**Double Insertion Sort**

*Java, Eclipse, Git*

- Enhanced traditional insertion sort by processing two elements simultaneously for improved efficiency.
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## 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.