

KIRITI MUNIPALLE

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PROFESSIONAL SUMMARY

Experienced Full Stack Developer with a proven record of two years in implementing scalable web applications, working knowledge on front-end and back-end technologies, and efficiency in collaborating with cross-functional teams to deliver high quality solutions. Strong problem-solving skills and a commitment to keep up with emerging trends in software development.

EDUCATION

University Of Memphis, USA

Master's in Computer Science

Graduating May, 2025

GPA-3.77/4

GITAM University, India

Bachelors of Technology in Computer Science and Engineering

July, 2017 – June, 2021

GPA-8.31/10

TECHNICAL SKILLS

Programming Languages: Java, JavaScript, TypeScript, Python, C, C++, SQL, PL/SQL

Problem Solving Skills: Data Structures and Algorithms

Frameworks: Springboot, RESTful APIs, Microservices, Angular, AJAX, jQuery, Bootstrap, TestNG, Selenium

Databases: MySQL, Oracle, PostgreSQL, MSSQL, MongoDB

Platforms & Tools: Git, Postman, Swagger, Kibana, Jenkins, Jira, Rally, UML, Service Now, Cucumber, Flagger

Operating Systems: Linux, Windows, Mac

Virtualization Tools: Docker

WORK EXPERIENCE

UnitedHealth Group (Optum Global Solutions), India | *Java Full Stack Developer*

August, 2021 – August, 2023

Project: MNR Portals

- Worked with a cloud-based web portal using Adobe Experience Manager (AEM) as the content management system.
- Redesigned and implemented existing internal micro-app which alone contributed to project with 18% increase in quarterly sale.
- Improved the end-user experience by developing user-friendly front-end components and features with Angular Framework for performance optimization, and responsiveness of web application.
- Hands-on experience in developing scalable micro-services to enhance maintainability, and facilitate agile development, while concurrently developing RESTful APIs to ensure seamless communication between Angular front-end and back-end services and optimizing data transfer.
- Created and modified test cases using TestNG, Selenium with best coding practices within ATDD framework that enables parallel testing which reduced the testing time of the application by 20%.
- Migrated monolithic application to micro-services architecture, which helped to reduce the system down time during deployments.
- Optimized JPA repos to streamline data storage and retrieval, minimizing database response time and decreasing latency in data accessing. Collaborated with cross-functional teams to create and develop data models while maintaining security and reliability of data storage.
- Adopted Agile web development methodologies, consistently delivering projects on time and ensuring efficient workflow in biweekly and monthly releases.
- Implemented Flagger feature flags to enhance dynamic control over application content and enabled efficient feature rollouts.
- Reduced the run time, heap memory and disk space by 10% on refining the CI/CD Jenkins pipelines.

ACADEMIC PROJECTS

• **Advanced Editor** *Python3.6, Tkinter module*

Designed and developed an advanced text editor with multi-featured characteristics and all basic notepad functionalities. The advanced features include spell check along with accurate and matching word suggestions, search and replace with words as well as with regular expressions, speech-to-text, text-to-speech, and bad word filtering using fuzzy logic.

• **Basic Paint** *Turbo C++ Using Init Graphics*

Designed and developed a responsive paint application based on the concepts of Object Oriented Programming (OOPs) without depending on any native functions. Made use of mouse events and mathematical formulas in Graphical Programming for drawing shapes and user interaction. This project allows end users to draw shapes such as Circle, Ellipse, Rectangle, Square, and free style.