

# KIRITI MUNIPALLE

+1 469 544 3741 | [kiriti.1206@gmail.com](mailto:kiriti.1206@gmail.com) | [linkedin.com/in/kiriti-munipalle](https://www.linkedin.com/in/kiriti-munipalle) | <http://kiriti456.github.io/kiriti-portfolio/portfolio> | [github.com/kiriti456](https://github.com/kiriti456) | Memphis, Tennessee , USA (Open to relocate)

## PROFESSIONAL SUMMARY

Full Stack Software Engineer skilled in Java, Spring Boot, and Angular within microservices architecture. Experienced in SDLC and Agile methodologies, achieved 60% performance improvement in the latest project. Strong in problem solving, system design, and algorithms, with a keen interest in application architecture and scalable solutions.

## WORK EXPERIENCE

**Protective Life Corporation, United States** | *Full Stack Developer Intern*

**June 2024 – Present**

- **Project:** Policy Admin System
- Developed an internal **LLM based chatbot web application** using Azure OpenAI API, vector database, and clustering methods, achieving **98% accuracy** in business queries.
- Migrated a **Java 8 Swing application** to a **Java 17 web-based architecture**, doubling accessibility and efficiency.
- Designed and deployed **50+ RESTful APIs using Spring Boot**, improving the application functionality and maintainability.
- Optimized application performance by **60%** using **Spring Cloud (OpenFeign, Circuit Breakers, API Gateway)**.
- Built a service layer to handle large **XML & CSV** file conversions into **JSON** for data exchange between microservices.

**UnitedHealth Group (Optum), India** | *Software Engineer*

**August 2021 – August 2023**

- **Project:** Drug Cost Estimator
- Worked on a cloud-based web portal using **Adobe Experience Manager (AEM)** for 11 scalable microservices, enhancing content management efficiency.
- Redesigned an internal micro-app to integrate third-party APIs, driving an **18% sales increase** with team-wide recognition.
- Optimized **Angular modules and REST APIs**, improving system performance for **10M+** end users.
- Facilitated **Agile Scrum** processes for bi-weekly release cycles, utilizing **Flagsmith** for real-time feature toggles and also reduced **CI/CD build time by 10%**.
- Automated testing with **Selenium, TestNG & Cucumber**, reducing testing time by 20% and achieving 96% code coverage with **Junit Mockito** framework.(Utilized **TDD** and **BDD** testing strategies).

## TECHNICAL SKILLS

<b>Programming Languages:</b>	Java (J2EE), JavaScript, TypeScript, Python, SQL, NoSQL, HTML, CSS, C, C++
<b>Frameworks and Tools:</b>	Spring, MVC, Hibernate, JPA, JDBC, Tomcat Server, Angular, React, Bootstrap, REST API, SOAP, HTTP, OAuth, Apache Kafka, npm, Maven, Gradle, Postman, Swagger, Docker, LLMs
<b>Databases and Monitoring:</b>	MySQL, Oracle, PostgreSQL, MongoDB, Redis, Elasticsearch, Grafana, DynaTrace, Splunk
<b>DevOps and Platforms:</b>	Azure DevOps, GitHub, Jenkins, ServiceNow, Sonar, SauceLabs, Unix, Windows, Mac
<b>Programming Concepts:</b>	Full Software Development Life Cycle (SDLC), Object-Oriented Programming, Design Patterns, SOLID principles, Systems Design, Data Structures

## EDUCATION

**University Of Memphis, USA**

**August 2023 - May 2025**

*Master's degree in Computer Science*

**GPA: 3.50**

**Courses:** Software Engineering, Database Systems, Data Science, Operating Systems, Computer Networks, Machine Learning

**GITAM University, India**

**June 2017 - June 2021**

*Bachelor's degree in Computer Science*

**GPA: 3.72**

**Courses:** Data Structures and Algorithms, Web Services, System Design, Design and Analysis of Algorithms, AI

## ACADEMIC PROJECTS

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

- Implemented a stand alone responsive editor app, featuring spellcheck, word suggestions, search and replace (including regular expressions), speech-to-text, text-to-speech, and fuzzy logic based bad word filtering with 100% accuracy.

**Paint** *Init Graphic using turbo C++*

- Developed a paint application using Object Oriented Programming (OOP) concepts, mouse events and math formulas without calling native functions in Graphical Programming for drawing 10+ shapes along with free style.