

KIRITI MUNIPALLE

+1 469 544 3741 | kiriti.1206@gmail.com | [linkedin.com/in/kiriti-munipalle](https://www.linkedin.com/in/kiriti-munipalle) | [Portfolio](#) | github.com/kiriti456 | Memphis, TN, USA

PROFESSIONAL SUMMARY

Software Engineer with 2+ years of experience with Java, Spring Boot and Angular in microservices architecture. Exposure to Software Development Life Cycle (SDLC) and Agile methodologies with 60% performance improvement in the recent project. Decent knowledge in Problem solving, Systems Design, Data Structures and Algorithms. Eager to advance towards a role as an Architect by designing & developing applications.

TECHNICAL SKILLS

Programming Languages: Java, JavaScript, TypeScript, Go, Python, C, C++, SQL, HTML, CSS

Frameworks: Spring, MVC, Microservices, RESTful APIs, Angular, Apache Kafka, Bootstrap, JPA Data, Hibernate

Platforms & Tools: Azure DevOps, Docker, GitLab, GitHub, Jenkins, ServiceNow, SauceLabs, Sonar, Jira, UML, Maven, Gradle, Postman, Swagger

Databases & OS: MySQL, Oracle, PostgreSQL, MongoDB, Unix, Windows, Mac

WORK EXPERIENCE

Protective Life Corporation, USA | *Full Stack Developer*

June 2024 – Present

- **Project:** Policy Admin System
- Developed an internal chat bot web-application with Angular, Springboot to answer project and business related queries in humanized format achieving 98% model accuracy. Utilized data mining clustering concepts to find relevant information from large file databases & integrated Large Language Model (LLM) through Azure OpenAI API for natural language responses.
- Led the successful migration of a Java 8 Swing application to a modern Java 17 web-based design, which doubled the accessibility and efficiency for thousands of agents and clients.
- Engineered Java microservices in a fast-paced agile environment from end to end contribution including analysis, design, development and troubleshooting in Angular & Springboot with 25+ RESTful APIs and 100+ CRUD operations.
- Leveraged Spring Cloud features such as Open Feign, Circuit Breakers, Service Discovery and API Gateway, promoting scalability and 60% improvement in the performance of application.
- Developed a service layer to convert huge XML & CSV input files to JSON object for data exchange between microservices.

UnitedHealth Group (Optum), India | *Full Stack Engineer*

August 2021 – August 2023

- **Project:** Drug Cost Estimator
- Worked on a cloud based web portal using Adobe Experience Manager (AEM) as the content management system for a total of 11 scalable microservices.
- Redesigned an internal micro-app to consume various third-party APIs with different mappings, leading to 18% growth in quarterly sales. Much appreciated by Senior Software Engineer.
- Executed critical bug fixes in backend distributed systems, particularly in a key module for accurate pricing, alongside optimizing Angular modules and REST APIs, leading to 5% performance boost & improved service quality for 10M+ users.
- Facilitated Scrum methodology for efficient bi-weekly release cycles, integrated Flagger for real-time feature control and optimized CI/CD pipelines, saving 10% of build time.
- Automated test cases using Selenium, TestNG and Cucumber, led to 20% reduction in testing time and 96% code coverage with JUnit for validating application's functionality (Utilised TDD and BDD testing strategies).

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 (OOPs) concepts, mouse events and math formulas without calling native functions in Graphical Programming for drawing 10+ shapes along with free style.

EDUCATION

University Of Memphis, USA - Master's degree in Computer Science (August 2023 – May 2025) - **GPA : 3.72**

GITAM University, India - Bachelor's degree in Computer Science (June 2017 – June 2021) - **GPA : 3.72**