KIRITI MUNIPALLE

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github.com/kiriti456 | Memphis, Tennessee , USA (Open to relocate)

TECHNICAL SKILLS

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

Frameworks and Tools: Spring, MVC, Hibernate, JPA, Apache Tomcat Server, Angular, React, Bootstrap, REST API, OAuth2, Apache Kafka, npm, Maven, Gradle, Postman, Swagger, Docker, LLMs, GPT models

Databases and Monitoring: MySQL, Oracle, PostgreSQL, MongoDB, Redis, ElasticSearch, Grafana, DynaTrace, Splunk

DevOps and Platforms: Azure DevOps, GitHub, Jenkins, ServiceNow, Sonar, SauceLabs, Unix, Windows, Mac

Programming Concepts: Software Development Life Cycle (SDLC), Object-Oriented Programming, Design Patterns, SOLID principles, Systems Design, Data Structures

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 responding to project and business queries.
- Migrated a major portion of **Java 8 Swing application** to a modern **Java 17 web-based architecture**, improving accessibility and efficiency for agents and clients by 2x.
- Designed and deployed **50+ RESTful APIs** with end-to-end implementation of **CRUD operations**, enhancing application functionality and maintainability.
- Optimized application performance by **60%** through **Spring Cloud features such as Open Feign, Circuit Breakers, Service Discovery**, and **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)** as the content management system for 11 scalable microservices.
- Redesigned an internal micro-app to integrate third-party APIs, driving an **18% sales increase** with team-wide recognition.
- Resolved critical bugs in distributed systems, particularly in pricing modules, improving Angular modules and RESTful web services, boosting performance for **10M+ users by 5%.**
- Facilitated **Agile Scrum** processes for bi-weekly release cycles, utilizing **Flagsmith** for real-time feature toggles and reduced **CI/CD build time by 10%.**
- Automated test cases using **Selenium, TestNG,** and **Cucumber,** achieving 20% reduction in testing time and **96%** code coverage with **JUnit** for validating application functionality (Utilized **TDD** and **BDD** testing strategies).

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 Technologies, Systems 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.