

KIRITI MUNIPALLE

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PROFESSIONAL SUMMARY

Software Engineer with 2+ years of experience in designing, developing, and optimizing Java-based applications in microservices architecture. Proficient in **Java**, **Spring Boot**, and **Angular**, with a strong understanding of **SDLC** and **Agile methodologies**. Demonstrated expertise in **problem-solving**, **system design**, and **data structures**, achieving a **60% performance improvement** in recent projects. Aspiring to grow as a software architect by crafting scalable, efficient solutions.

TECHNICAL SKILLS

Full Stack: Java, JavaScript, TypeScript, Python, C, C++, SQL, NoSQL, HTML, CSS, Spring, MVC, Microservices, REST API, Angular, OAuth2, Apache Kafka, Bootstrap, JPA Data, Hibernate, Postman, Swagger, Angular Material, npm, Maven, Gradle, Docker, Redis, Elasticsearch, Grafana, DynaTrace, Splunk

Platforms and Concepts: Azure DevOps, GitLab, GitHub, Jenkins, ServiceNow, SauceLabs, Sonar, Jira, UML, MySQL, Oracle, PostgreSQL, MongoDB, Unix, Windows, Mac, SDLC, Object-Oriented Programming, SOLID principles, LLMs

WORK EXPERIENCE

Protective Life Corporation, USA | *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 **web-based architecture** using **Java 17 and Angular**, significantly enhancing accessibility and doubling efficiency.
- 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.
- Addressed 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).

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**