

Zaara Javed

Chicago, IL | zaarajaved62@gmail.com | [linkedin.com/in/zaarajaved/](https://www.linkedin.com/in/zaarajaved/) | github.com/zaaraj62

EDUCATION

DePaul University

Bachelor of Science in Computer Science, Concentration: Software Development

September 2023 – December 2026

GPA: 3.9/4.0

TECHNICAL SKILLS

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

Frameworks & Libraries: Spring Boot, React, Node.js, Hibernate, JPA, JUnit, pandas

Platforms & Tools: AWS, Azure, MySQL, PostgreSQL, Git, Docker, Linux, Postman, CI/CD

PROFESSIONAL EXPERIENCE

McDonald's

Software Engineering Intern

Chicago, IL

June 2026 – August 2026

- Developed backend and frontend enhancements for the Category Microservice within McDonald's Restaurant File Manager (RFM), supporting menu and restaurant configuration across ordering channels including Digital, POS, Kiosk, and the global mobile app (GMA) at the market and local level.
- Contributed to the migration of the Category Microservice from Layered to Hexagonal Architecture, an ongoing initiative improving maintainability and scalability to support modernization across existing and future ordering channels.
- Refactored 95 files and 5,000+ lines of Java code as part of the architecture migration, restructuring core service logic without disrupting downstream consumers in UX and deployment.
- Completed 8 refactoring tickets (17 story points), representing approximately 30% of tickets opened during the internship, collaborating through code reviews and Agile development.

Millennium IT Solutions

Software & Security Engineer

Remote

June 2024 – August 2025

- Developed a Python-based network scanning tool to automate system checks, improving infrastructure reliability by 45%.
- Debugged client-facing applications integrated with Azure threat detection modules and optimized ticket ingestion throughput by 25%, streamlining incident-handling workflows.

Communify

Software Engineering Intern

Chicago, IL

May 2023 – August 2023

- Enhanced search functionality for an event management application using Algolia and built unit tests for the Flutter application, improving user experience by 30%.
- Implemented real-time notifications with Firebase Cloud Functions to deliver event updates and alerts within the application.

PROJECTS

ExaminerAI — AI-Powered Adaptive Assessment Platform | FastAPI, PostgreSQL/Supabase, Together.ai, Pydantic

- Led a 9-person team as Project Manager, coordinating sprints and authoring 200+ pages of documentation for ExaminerAI, an AI-powered adaptive assessment platform.
- Built core platform features including a student regrade system, a guardrailed AI exam chat assistant offering hint-only guidance, and adaptive difficulty logic that adjusts questions based on performance history, using FastAPI, SQLAlchemy, and PostgreSQL/Supabase.
- Designed defensive LLM pipelines with Pydantic-enforced output and retry/fallback logic, plus SM-2 spaced-repetition flashcards and misconception-based remediation, with Together.ai powering question generation and grading.

Agentic Test Generation Platform (MCP) | Java, Spring Boot, MCP, JaCoCo, Git Automation

- Extended a Spring Boot LLM chatbot with multi-session management, persistent history, and summarization; authored 25+ manual tests covering functional correctness and edge cases.
- Collaborated on an MCP-based testing agent that autonomously generates, executes, and iterates on tests using JaCoCo coverage feedback to close gaps across multiple generations.
- Integrated Git automation via MCP tooling to enforce a trunk-based workflow, keeping all agent-generated changes tracked, reviewable, and auditable.

IMC Prosperity Trading Competition | Python, Pandas, Statistical Modeling

- Developed a Python trading algorithm using statistical modeling and pandas, achieving a top 10% ranking in the global competition