

Zayeem Zaki

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EDUCATION

University of Toledo, Toledo Ohio

Bachelor of Science in Computer Science

Graduation: Dec 2025

SKILLS

Languages **Proficient** Python · Java **Intermediate** JavaScript **Beginner** SQL · Swift

Tools/Platforms React · Vue · Next.js · Node.js · Spring Boot · Flask · AWS · Docker · Kubernetes · iOS · Git

EXPERIENCE

Software Engineering Intern

CCC Intelligent Solutions

May 2025 - Present

Chicago, IL

- Built a **Spring Boot** application in an **Agile development** environment that reduces a **2-week manual process to 2 seconds** through **automation** and **scalable backend services**.
- Created a mini **Node.js** service for Puppeteer-based PDF generation and deployed it using **Docker**, **improving form-rendering accuracy by 90%** in a **Spring Boot + Vue.js app**.
- Built and optimized **160+** custom HTML/Vue.js forms, **reducing layout issues by 70%** and improving user experience across devices.
- Refactored a complex **Kafka** consumer to make the logic cleaner and more modular, resulting in **easier debugging**, **faster feature development**, and **improving code maintainability**.

Technical Solutions Architect (Volunteer)

Daffodil Studios – [Github Link](#)

Sep 2025 - Present

Vienna, VA

- Designed and **Architected a full-stack donation platform** using Firebase for backend logic and Stripe for payments, wrapping the frontend in **Vue.js** to create a responsive, high-performance user experience.

Peer mentor

University of Toledo

Jan 2025 - May 2025

Toledo, OH

- **Mentored 30+ students in Python and OOP**, helping them debug complex code and successfully complete course assignments.

IT Security intern

First Solar

Jan 2024 - Dec 2024

Perrysburg, OH

- Engineered a **Flask-based automation service using Python** to orchestrate CrowdStrike security workflows, **reducing manual incident response time by 30%**.
- **Architected Python-based security automation** tools integrating Flask and Real-Time Response APIs to streamline workflows and revoke unauthorized privileges, **cutting manual operations by 30%**.

PROJECTS

AI Memory App – [Github Link](#)

Oct 2025 - Nov 2025

- Developed a **GraphRAG engine** that outperforms standard vector search by **mapping entity relationships** in Neo4j.
- Created a **multi-user sandbox** that enforces **strict data isolation on a shared database** using custom session logic.
- Built a **real-time dashboard (React + D3.js)** that visualizes the AI's "brain" updating instantly as users chat.

Food-Sharing App – [Github Link](#)

Aug 2025 - Nov 2025

- Engineered a role-based logistics platform using **React Context**, resulting in a centralized donation workflow that **eliminates manual coordination between volunteers and shelters**.

AI resume Analyzer – [Github Link](#)

Feb 2025 - Apr 2025

- Developed an **AI-powered resume analyzer** using **Python** and **LLM-API Integration** to automatically parse, score, and rank resume suitability against any provided job description.
- Engineered and **refined a multi-step prompt-chain to guide the large language model** in extracting key skills, identifying experience gaps, and generating actionable, in-depth optimization feedback for users.

Restaurant Website – [Github Link](#)

Oct 2023 - Dec 2023

- Hosted the production application on **AWS Amplify**, ensuring reliable deployment and **99% uptime during** the restaurant's active business hours.
- Implemented a **custom payment pipeline using Stripe and Node.js**, resulting in a fully automated checkout flow that **reduced manual order entry by 30%**.

Neuro-Transmitter – [Github Link](#)

Apr 2023 - Aug 2023

- **Engineered a secure, gated authentication architecture** using Firebase Auth and Firestore Security Rules, resulting in a zero-trust environment where 100% of new-account access requires explicit administrator verification.
- Developed a **responsive native interface using SwiftUI and Firebase Cloud Messaging**, resulting in a cohesive user experience featuring real-time push alerts and automatic system-wide dark-mode adaptation.