

# MUZAHID OLY

Detroit, MI | 586-765-4350 | [omuzahid@gmail.com](mailto:omuzahid@gmail.com) | [linkedin.com/in/muzahid-oly](https://www.linkedin.com/in/muzahid-oly) | U.S Citizen

## WORK EXPERIENCE

---

### AMAZON.COM, INC.

Detroit, MI

#### Backend Software Engineer

May 2024 - Present

- Helped build and maintain a distributed ESG reporting platform that powers Amazon's annual Sustainability Report, scaling from **0 to 300+ internal users** within the first year.
- Designed and developed **50+ RESTful APIs** in Java using AWS API Gateway, enabling internal teams to securely create, query, and report ESG metrics across organizations.
- Achieved **100% unit test coverage** using JUnit and **95% integration test coverage** with Mockito, ensuring robust reliability and handling of edge cases.
- Architected event-driven metric creation tool using AWS Lambda, API Gateway, and S3, reducing manual workflows and saving internal teams **~2000 hours** per month.
- Integrated AWS CloudWatch for observability, proactive alarms, and real-time monitoring of API performance and uptime.
- Built and maintained CI/CD pipelines with AWS CDK, improving deployment reliability and reducing integration errors.
- Influenced architectural decisions by authoring and reviewing over **100 design documents** (HLDs, LLDs, ORRs), improving system scalability, security, and long-term maintainability.

### AMAZON.COM, INC.

Detroit, MI

#### Software Engineer Intern

May - Aug 2023

- Migrated Amazon's high-revenue [Build International Listings](#) website (**used by 100K+ sellers**) from AngularJS to ReactJS, improving maintainability and scalability.
- Utilized React JavaScript and Jest to develop, test, and implement a modern and intuitive front-end design for Build International Listings, resulting in a more user-friendly interface.
- Rewrote backend APIs using Spring Java, **improving response times by 10%** and ensuring seamless integration with the new front-end architecture.
- Collaborated with a cross-functional team of developers, designers, and stakeholders to gather requirements, analyze user feedback, and iterate on design solutions, resulting in a **20% improvement in user satisfaction**.

### CODE313

Detroit, MI

#### S.T.E.M. Engineer Intern

May - Aug 2022

- Developed and delivered programming courses to more than 5 youth education centers across Metro Detroit, effectively imparting valuable coding skills to aspiring learners
- Contributed to the development of comprehensive computer science curricula encompassing game programming, logic, robotics, and critical thinking, ensuring an educational experience for students

## EDUCATION

---

### WAYNE STATE UNIVERSITY

Detroit, MI

Bachelor of Engineering

May 2024

Major in Computer Science

Cumulative GPA: **3.9/4.0**; Dean's List 2020-2024

Relevant Coursework: Software Engineering, Computer Architecture, Operating Systems, Data Structures & Algorithms

## SKILLS

---

**Programming Languages and Frameworks:** Java, TypeScript, JavaScript, Python, C++, SQL, React, Spring Boot, JUnit, Jest, Cypress, Mockito

**Tools and DevOps:** AWS Lambda, S3, DynamoDB, API Gateway, Aurora, IAM, CloudWatch, SQS, CloudFormation, VPC, SDK, CDK

**Other Tools:** Git, Generative AI (Cline, Roo, Amazon Q), Visual Studio Code, IntelliJ

**Soft Skills:** Leadership, Teamwork, Communication, Cross-functional, Problem Solving, Adaptable