

# RICHARD MALIYETU

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## SUMMARY

Junior Software Engineer and recent Computer Science graduate with experience developing full-stack applications and system-level software. I am proficient in Java, C++, Python, and JavaScript with strong foundations in object-oriented design, debugging, cloud computing, and cybersecurity. Hands-on experience with **Spring Boot, RESTful APIs, React, FastAPI, and SQL databases**. Effective communicator and team collaborator with Agile project experience. Open to relocation anywhere in the U.S.

## EDUCATION

**University of Maryland, Baltimore County (UMBC)** — B.S Computer Science

Graduation: 05/15/2025 · GPA: 3.6

## TECHNICAL SKILLS

- **Languages:** Java, Python, C++, JavaScript, SQL
- **Frameworks & Tools:** Spring Boot, RESTful Web Services, JPA/Hibernate, React, FastAPI, Next.js, .NET (coursework), Firebase, Git, Jira
- **Databases:** PostgreSQL, MariaDB, Prisma
- **Platforms:** Linux (Ubuntu), AWS (coursework), Cloud SaaS projects
- **Focus Areas:** Object-Oriented Design, API Development, Debugging & QA, Networking, Cloud, Secure Development

## PROJECTS

**Hobby Match — Full-Stack Social Platform** | React, FastAPI, PostgreSQL

- Built REST APIs with secure JWT authentication and Google sign-in.
- Experimented with WebSocket + Redis for real-time communication.
- Applied Agile methods to deliver features with iterative QA testing.

**UMBC Essentials Inventory — RBAC Inventory Management** | React, FastAPI, MariaDB

- Implemented role-based access control for secure operations.
- Optimized queries, reducing API response time by 35%.
- Coordinated backend debugging and testing with a 4-person team.

**Custom Linux Kernel Module — Process Scheduling Analysis** | C, Linux

- Developed kernel module to monitor CPU scheduling and memory usage.
- Debugged with printk/GDB and validated compatibility on Linux 5.x.

**Editor App (SaaS) — Media Editing Platform** | Next.js, Prisma, NeonDB, Clerk Auth

- Built cloud editor with secure sessions and cross-device uploads.
- Fixed race conditions and API timeouts, improving reliability by ~15%.

**Airlines Route Planner — Linked List Data Structures** | C++, Linux

- Engineered route manager using singly/doubly linked lists; added reversal, filtering, and search.
- Parsed flight data via file I/O and validated edge cases.

## CERTIFICATIONS & TRAINING

- **Cook Systems FastTrack** — Full-Stack Java Ecosystem & Career Readiness Training  
*09/01/2025 – 11/05/2025 (in progress)*
  - Intensive training in **Java, Spring Boot, RESTful Web Services, JPA/Hibernate, SQL, and Agile methodologies**.
  - Focused on building enterprise-grade web applications and career readiness through team-based projects and code reviews.
- **CodePath iOS Development Bootcamp** — iOS App Development (Swift, UIKit, Networking, Persistence)  
*01/2025 – 05/2025*

## **EXPERIENCE**

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### **Delivery Driver — Amazon Flex**

06/2025 – Present · 20–30 hrs./week (est.)

- Delivered packages accurately and on time while ensuring safety and compliance with delivery protocols.
- Managed navigation, scheduling, and route adjustments independently to meet time-sensitive deadlines.
- Provided professional customer service during direct interactions.

### **Kitchen Help / Back-of-House Member & Dishwasher — Panda Express**

07/01/2021 – 08/31/2023 (est.) · 32 hrs./week (est.)

- Supported kitchen operations through food prep, dishwashing, and restocking supplies.
- Maintained cleanliness and food safety standards in a high-volume environment.

## **HIGHLIGHTS**

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- **Java & C++ Development:** Strong coursework and project experience in OOP, Java APIs, and debugging.
- **Full-Stack:** Built applications with **Spring Boot REST APIs, FastAPI, and React** backed by relational databases.
- **Cloud & SaaS:** hands-on with Firebase and SaaS deployments; exposure to AWS.
- **Debugging & QA:** kernel module development, API debugging, and Agile testing cycles.
- **Collaboration:** proven ability to contribute to and lead small engineering teams; effective communicator.