

## MARK VICTOR KITHINJI

**Location:** Nairobi, Kenya

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### PROFESSIONAL SUMMARY

Computer Science student with hands-on experience in full-stack development, database design, and Agile methodologies. Proven ability to design and develop scalable applications using Java, Python, JavaScript, and modern frameworks including Spring Boot, React, and Angular. Experience with RDBMS systems (MySQL, MongoDB, SQLite) and cloud deployment on Google Cloud Platform and Microsoft Azure.

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### TECHNICAL SKILLS

**Programming Languages:** Java, Python, C#, JavaScript, TypeScript, PHP, PLSQL

**Frontend Development:** React, Angular, HTML, CSS, NextJS, WordPress

**Backend Development:** Java Spring Boot, Node.js, Express, Django, RESTful APIs

**Database Systems:** MySQL, MS SQL Server, MongoDB, SQLite, Oracle

**Development Tools:** Git, GitHub, CI/CD Pipelines, GitHub Workflows

**Cloud Platforms:** Microsoft Azure, Google Cloud Platform

**Development Methodologies:** Agile Development, Object-Oriented Programming, MVVM Architecture

**Other Skills:** Database Design, Data Modelling, System Documentation, Unit Testing, Algorithm Design

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### EDUCATION

#### Bachelor of Science in Computer Technology

Jomo Kenyatta University of Agriculture and Technology, Nairobi, Kenya

Expected Graduation: September 2026

Relevant Coursework: Data Structures, Algorithms, Software Engineering, Database Systems, Artificial Intelligence

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### PROFESSIONAL EXPERIENCE

#### Open-Source Contributor | Microsoft Americas Azure Team

August 2023 – August 2024 | Remote

- Collaborated with Microsoft engineers to build an enterprise-grade reference application for cloud-native real estate management solutions.
- Earned Microsoft Intermediate Open-Source Contributor badge for significant contributions [\[Credly Badge\]](#)

- Designed and implemented algorithms and flowcharts for new features
- Leveraged CI/CD pipelines and GitHub workflows to ensure high-quality code integration
- Conducted comprehensive unit testing to maintain codebase integrity and quality standards
- Debugged and troubleshooted existing software components

**Technologies:** Python, Django, Java, Angular, CI/CD, GitHub, Unit Testing

### **Support Tutor | Inspire Youths in STEM Program (JKUAT)**

**February 2025 – April 2025 | Virtual**

- Mentored 32 students in Python, JavaScript, and web development fundamentals
- Designed learning modules and technical documentation for programming concepts
- Introduced version control workflows using Git and GitHub
- Achieved 100% certification rate for program participants

### **Software Engineering Intern | Nyambene TV**

**July 2025 – August 2025 | Meru, Kenya | On-site**

- Developed and published an internal report automation tool that reduced manual reporting time from 4 hours to 30 minutes
- Gathered and evaluated user feedback from stakeholders to refine application features
- Applied SOLID principles and object-oriented programming to create maintainable, clean code
- Collaborated with employees and interns to iterate on solution design

**Technologies:** React Native, Android Development, Document Generation APIs, Database Design

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## **CERTIFICATIONS**

**Microsoft Americas Azure Team - Open Source Contributor | February 2024**

Credential Certificate: [https://www.credly.com/badges/63813a12-dd67-41fc-a2bb-eef02912e696/linked\\_in\\_profile](https://www.credly.com/badges/63813a12-dd67-41fc-a2bb-eef02912e696/linked_in_profile)

**Stanford University - Divide and Conquer, Sorting and Searching, and Randomized Algorithms |**

September 2023

Credential ID: YFPULNNAMAZ5

Credential Certificate: <https://www.coursera.org/account/accomplishments/verify/YFPULNNAMAZ5>

**Stanford University - Graph Search, Shortest Paths, and Data Structures | September 2023**

September 2023

Credential ID: B3BB2FCK5QLD

Credential Certificate: <https://www.coursera.org/account/accomplishments/verify/B3BB2FCK5QLD>

**Microsoft Certified: Azure AI Fundamentals (AI-900)** | February 2025

Credential ID: 8FCA11238064E0D3

Credential Certificate: <https://www.coursera.org/account/accomplishments/verify/YFPULNNAMAZ5>

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## FEATURED PROJECTS

### EcoPulse Alliance Website

- Led building WordPress website for EcoPulse Alliance
  - Configured mail servers and MX records
  - Optimized performance using Cloudflare CDN
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## LANGUAGES

English: Fluent (Professional Working Proficiency)

Swahili: Native/Bilingual Proficiency

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## REFERENCES

Available upon request