

MARK VICTOR KITHINJI

Location: Nairobi, Kenya
Email: victorkithinji@outlook.com
Phone: +254790405421
LinkedIn: [\[LinkedIn Profile\]](#) | **GitHub:** [\[GitHub Profile\]](#)

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.

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

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

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

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

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>

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

REFERENCES

Available upon request