

Haron Mungiria

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Education

Ph.D. in Computer Science

The University of Oklahoma

In progress since Fall 2024

Norman, Oklahoma

Master of Science in Computer Science

University of Central Oklahoma

Graduated, May 2023

Edmond, Oklahoma

Bachelor of Science in Computer Science

Meru University of Science and Technology

Graduated, December 2015

Meru, Kenya

Teaching Experience

Graduate Teaching Assistant, The University of Oklahoma

January – September 2025

Norman, OK

- As the Graduate Teaching Assistant for the Software Engineering course, my duties included:
- Assisting the professor with class activities.
- Answering students' questions related to course content, assignments, and course project.
- Grading assignments and supporting learning through constructive feedback.
- Taught the class one day when the professor was away.
- I also reviewed the Software Capstone course, evaluated student projects and provided guidance for refinement.

Teaching Assistant, University of Central Oklahoma

January 2022 – May 2023

Edmond, OK

- I served as a Teaching Assistant for five courses, namely:
 - Beginning Programming
 - Programming I
 - Programming II
 - Cybersecurity
 - Front-End Web Programming.
- In Beginning Programming and Programming I, I helped students learn programming through lab activities, hands-on exercises, and guided problem-solving sessions.
- In Front-End Web Programming, I helped students learn and implement projects using JavaScript, CSS, and HTML by assisting with debugging, and explaining key web development principles.
- In Cybersecurity, I guided students through scenarios on the importance of secure coding.
- I also graded assignments and proctored examinations.

Industry Experience

Software Engineer, MedNoc LLC

October 2025 – present

June 2023 – May 2024

Oklahoma City, OK

- Led the development of a testing platform for state certifications, architecting and implementing the system to support high reliability and scalability.
- Improved database performance by redesigning queries and indexing, reducing data retrieval time and enhancing user experience.
- Integrated a secure payment system, enabling transactions and ensuring regulatory compliance.
- Built APIs and backend services to support external integrations, increasing system interoperability.
- Implemented CI/CD pipelines and automated test suites to improve release frequency.
- Collaborated with QA, product, and compliance stakeholders to ensure functional accuracy, fulfillment of state requirements, and production readiness.

Software Developer, Apotech

2015 – 2020

Nairobi, Kenya

- Elicited and translated business and technical requirements into foundational system architecture and implementation plans.
- Conducted structured code reviews to uphold code quality, maintainability, and security across the team's codebase.
- Wrote technical documentation and provided user support to ensure smooth adoption and reduce operational overhead.
- Debugged and resolved production issues, improving system stability and reducing support turnaround time.
- Participated in sprint planning, estimation, and backlog refinement to align delivery timelines with product roadmaps.