

# Desmond Mariwa

## SOFTWARE ENGINEER

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### Objective

I am a highly motivated Software Engineer with a strong foundation in C programming, proven ability in debugging, testing, and troubleshooting. I am seeking a challenging role where I can leverage my skills to design, develop, and deliver high-quality, reliable, and scalable software solutions. Experience with Microsoft Azure cloud technologies (Resource Manager, RBAC, Entra ID) further enhances my ability to build robust and secure applications.

### Skills

- Programming Fundamentals: Languages; C, Python and JavaScript | Data structures & Algorithms.
- Software Development Lifecycle (CI & CD pipeline).
- Backend Web Development: Frameworks Flask, Django and Node.js.
- Version Control: Git.
- Collaboration and Communication: Team worker and a problem Solver.
- I am professional, Critical Thinker and an effective communicator.

### Experience

#### ALX Africa | Software Engineer

2023 - 2024

- Got Strong Fundamentals in Low-level programming, Data structures and algorithms.
- Gained practical skills development in Real-world projects and worked in a collaborative environment.
- Gained Industry-Relevant Technologies majoring on backend: Python, Node.js and database technologies.
- Personal Development: Discipline, perseverance, Problem-solving, critical thinking and adopting a Growth mindset. Cleaned and preprocessed data
- Intense Commitment including 80-hour per week commitment to code.
- Self-Directed Learning learnt to be proactive in my learning and seeking out additional resources.

#### Kariandusi Pre-Historic Site | Archeologist 2020 - 2022

- Successfully conducted archaeological excavations, meticulously documenting and cataloging artifacts.
- Contributed to the creation of detailed site reports and research publications.
- Demonstrated ability to work independently and as part of a team in a research setting.
- Effectively communicated research findings to colleagues, supervisors, and the public through presentations and reports.
- Proficient in using archaeological software and tools (e.g., GIS, database management).

## **Education**

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### **ALX Africa 2023 - 2024**

Certificate in Software Engineering

### **Maseno University 2016 - 2020**

Bachelor's Degree in History & Archeology (with IT)

## **Projects**

- <https://youtu.be/jbLnSxuI0Wo?si=ITNHiPUOMIdYwXy>
- [https://www.cloudskillsboost.google/public\\_profiles/8552fa3f-e485-4dee-9a8a-de47f10c6d78](https://www.cloudskillsboost.google/public_profiles/8552fa3f-e485-4dee-9a8a-de47f10c6d78)