# Marvin Ouma *Last update on February 26, 2021*

oumamarvin@gmail.com  •  +254.722901642  •  github.com/pancakem  •
Nairobi  •  Kenya

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## Summary

*Entrepeneurial geek with roots in the open source movement. Passionately enabling software-related teams to deliver. Creates/ structures/ improves processes. Architects and helps to implement future-proof solutions.*

I started programming, purely, for class until I read *C The Programming Language*. Since then I have taught myself system administration and programming in a few languages. During my exploration, I got introduced to the open source movement and I have contributed to both personal and organization projects. I also have gotten to experiment with micro-controllers and I am of the opinion they are really fun.

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## Experience

**EACDirectory**                                                       REMOTE
**Systems Administration Intern**                          *Dec '20 – Jan '21*
Trained on how to install, configure and administer popular web-based web hosting control panels. Wrote automation scripts in Bash and Python.

**Little Kidogo**                                              NAIROBI, KENYA
**Embedded Systems Engineer**                               *May '20 – Oct '20*
I developed and maintained drivers for a custom Rust kernel. Helped design and build a race timer trap with the ESP32 micro-controller. Involved in the building of a GraphQL service to report on the data from the ESP32 race timer trap.

**Moot Insights**                                              NAIROBI, KENYA
**Backend Engineer**                                        *Sep '20 – Aug '20*
Architected and built various micro-services; a few being a notification server and payment service with the M-Pesa gateway. Established test automation and continuous integration with Travis CI. Did extensive documentation of the developed systems.

**Jomo Kenyatta University of Agriculture and Technology**     NAIROBI, KENYA
**Research Assistant**                                      *Apr '19 – Aug '19*
Placed in an AI research program where I was tasked with mining, analysis and categorization of data.

**Little Kidogo**                                                      REMOTE
**Front-end Engineer Intern**                               *Sep '18 – Apr '19*
My first internship experience, I was trained in web development using Elm. I became responsible for building web components and consuming back-end GraphQL resources in front-end projects.

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## Education

**Jomo Kenyatta University of Agriculture and Technology**     NAIROBI, KENYA
**BSc in Computer Science**                                        *2017 – 2021*

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## Skills

**Technical expertise:** Linux administration skills (e.g. Bash scripting, Apache/NGINX, Postgres/My/NoSQL). Big fan of Agile methodologies, continuous delivery and functional programming. Enjoys writing C/ Python/Go/Elm/Haskell and some intermediate x86 assembly. Solid knowledge of backend web technology stack. Well experienced with containerization (Docker). Emacs user.

**Natural languages:** Luo (*mother tongue*), Swahili (*national language*), English (*full professional proficiency*), German (*beginner*).

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## Interests

**Non-exhaustive and in alphabetical order:** art, comic books, emulation, functional programming, history, music, philosophy.