

Andrew Precious Mbugua

Backend Software Engineer

I love working on practical projects as that is how I learn best. I am Interested in Low Level Development ,Networking & Cyber Security

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EDUCATION

Bsc Computer Science

Kisii University

09/2019 - 12/2023

Kisii, Kenya

WORK EXPERIENCE

Software Engineer Intern

Podii Software Consulting Company

01/2022 - 10/2022

Kisumu , Kenya

Achievements

- Used Elixir to develop web based applications for clients.
- Maintained the IoT codebase.
- Used C to develop an IoT prototype on a raspberry pi pico.
- Wrote documentation for all the IoT projects.

Contact : Mark Sigu - CEO - +254 738021979

Low-Level Software Engineer

Liquid Intelligent Technologies

10/2022 - Present

Nairobi, Kenya

Achievements/Tasks

- Writing Low level C, Golang and Javascript.
- Sifting through IETF RFCs documents.
- Working with routing protocols.
- Optimizing software.
- Writing software documentation.

Contact : Andrew Alston - CTO Liquid Labs - +254 733 222204

VOLUNTEER EXPERIENCE

1. Google Developer Student Club - Lead (07/2021 - 08/2022)

- Plan,hold & host community technology meet-ups and teach various Google related technologies.

2. Internet Engineering Task Force - Member (01/2022 - Present)

Having subscribed to the DetNet mailing list I am learning while slowly building up to a level where I can confidently contribute to an IETF draft.

3. The President's Award Program - Publicity Coordinator (05/2022 - Present)

- Responsible for designing and creating marketing and publicity materials for promoting the program within my campus.

SKILLS

C

Rust

Elixir

Network Engineering

PostgreSQL

Cyber Security

Golang

PERSONAL PROJECTS

1. CLI CANDLESTICK CHART VISUALIZATION

- A Rust based tool that draws candle stick charts on the terminal using data retrieved from Binance.

2. TCP PACKET BUILDER

- A Rust crate meant to demonstrate the structure of a TCP Packet.

3. SECURITY OPERATION CENTER

- Simulated various parts of a SOC,tools & methodologies using open source technologies.

4. LINUX FROM SCRATCH

- Built my own miniaturized custom Linux System.

CERTIFICATES

CCNA - Cisco Certified Network Associate

NSE 1 - Information Security Awareness

NSE 2 - Evolution of Cybersecurity

Security Operation Center level 1 - Cybrary.it

User Support Professional (CompTIA A+)

Fundamentals of Digital Marketing - Google

LANGUAGES

English

Full Professional Proficiency

Swahili

Full Professional Proficiency

INTERESTS & HOBBIES

Cloud Computing

Cyber Security

Networking

Blockchain

Chess