

# Andrew Precious Mbugua

## Software Engineer

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

✉ andrewmbugua388@gmail.com

📍 Kisumu, Kenya

🐦 @AndrewPMbugua

📞 +254797397888

📄 bit.ly/3LO9KJA

👤 github.com/AndrewMbugua

## EDUCATION

### Bsc Computer Science Kisii University

09/2019 - 07/2023

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 and assembly code.
- Sifting through IETF RFCs documents.
- Working with routing protocols.
- Optimizing software.
- Writing software documentation.

Contact: Andrew Alston - CTO - andrew.alston@liquidtelecom.com

## 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

Networking

PostgreSQL

## 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