

TeklitHaphtu

Cyber Security Professional|Software Engineer

I am a Cybersecurity Professional, currently pursuing a specialization in Cybersecurity at the University of Twente(4TU). With over 7 years of experience in Information Security and Software Engineering, I am technical expertise in Web and Application Security, IoT Security, System Security, Cryptography, Low-Level Programming (C/C++), and High-Level Programming(Rust/Python/Java). I am currently paving my path towards becoming an expert ICS/OT industry security and plan to delve deeper into this area in the future.

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🎓 Education

University of Twente^{4TU} | M.S. in Computer Science - Cybersecurity

📅 Sept 2021 – July 2023(Expected date) 📍 Enschede, Netherland
 ▪ Received: Holland and University of Twente Scholarship

Mekelle University^{MIT} | B.Sc. in Computer Science and Engineering

📅 Sept 2010 – June 2015(GPA:3.89/4) 📍 Mekelle, Ethiopia

⚙️ Experience

Adey Meselesh GmbH | Senior Software developer- Latter(PM)

📅 July 2021 – Apr 2022 📍 Remote(German)
 ▪ Architecting and leading web application development using GCP,Python,Nuxt.js
 ▪ Managing projects and coordinating a team of 4+ remotely.
 ▪ Design and implement stock management algorithm for finance web application.

Saferoad Technolog | Founder and Technical Manager

📅 August 2020 – Jun 2021 📍 Ethiopia, Addis Ababa
 ▪ **Management**-managed overall operations and resources of the company:- successfully negotiated a \$20,000 deal for GPS devices with Shenzhen Yituowulian System Co., Ltd;China
 ▪ **Technical**- Troubleshoot technical issues and designed/developed a GPS tracking platform for use by the Ethiopian Road Authority.

Ethiopia-INSA | Cyber Security Engineer

📅 October 2015 – August 2021 📍 Ethiopia, Addis Ababa
 ▪ Exploit Development, Window Internal and Reverse Engineering
 ▪ Developing various automation security tools.
 ▪ Perform vulnerability assessment report for Ethiopian Defence Minister Network and United Nations Economic Commission for Africa mail server.

Vanguard Cyber Solutions | Part-Time Technical Manager

📅 August 2019 – Jun 2020 📍 Ethiopia, Addis Ababa
 ▪ Design, develop and maintain cloud-based service and startup mobile apps
 ▪ Planning and Project management
 ▪ Fixing bugs and schedule deployments

🧩 Projects - Job | Personal | Course

Job

- Finance and stock portfolio management web app using Vuejs/Nuxtjs, Python and Google Cloud platform[www.app.simplefinance.club/].
- C/C++ source code vulnerability scanner named Vscan using Python.
- GPS system for tracking and monitoring motorbikes for Addis Ababa city.
- Vulnerability Assessment Report for Ethiopian National Defence Force. (*Confidential*)
- Penetration Testing for UNECA (United Nations Economic Commission for Africa). (*Confidential*)
- Browser extension credential sniffer on main social platforms.
- Advanced email phishing tool to collect OAuth tokens with automating tool to retrieve email data.

Personal

- Mobile app for live tv streaming and tv scheduling(Android & IOS) using Reactjs and Flutter.
- Tender list Web application[www.lesratender.web.app/] using Vuejs and Firebase(google cloud).
- Web App for Ethiopian National Exam Question Bank using Laravel.
- Dapp lottery game using Ethereum blockchain and solidity.
- MySQL IDE and Database Manager Software in Qt/C++

Course

- E-learning web app for Mekelle University(Project Leader).
- Bitcoin script adoption rate visualization web app using Nuxtjs and python.

🧩 Skills

Programming

Rust C&C++ Python Java Js
 Solidity Nodejs Qt flutter Nodejs
 Vuejs|Nuxt

Tools & Technologies

Git Docker Wireshark Ghidra
 Nmap CI/CD AFL++

Security and Networking

Reverse Engineering Cryptography
 Web Security TCP/IP IoT Fuzzing
 Malware analysis Code Auditing

Others

Driving-License/D1E 🚗

🌐 Languages

Amharic ●●●●●●●●
 Tigrinya ●●●●●●●●
 English ●●●●●●●●
 Dutch ●●●●●●●●

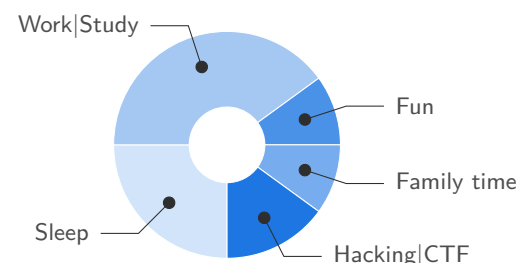
🏆 Awards

HackersU Pro - Certificate for vulnerability researchers

Certified Secure - Essential Security, Essential Specialties, Security Specialist

Framework - Design and Develop cyber influence framework in context to Ethiopia

🕒 My Time Slot



🎧 Activities / Interests

Swimming · **Playing Soccer** - Active participant of Enschede Saturday Football · **Tennis**- Member of Ludica tennis association in UT · **CTF** - Member and active participant of Twente Hacking Sequade (THS) · **Chess**



References

DR.ING. M. ELHAJJ (MOHAMMED)

Faculty of Electrical Engineering, Mathematics and Computer Science

University of Twente

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