# Abenezer Lulseged Wube

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## summary

Full Stack Software Developer with advanced skills in backend Python engineering and app development. Has built efficient desktop and web applications, specifically within Python environments, notably a hierarchical deterministic wallet and a cross-platform client based on Bitcoin Improvement Proposals. Direct experience with real-time processing and complex system integration, complemented by detailed technical documentation. Eager to leverage technical skills and project experience to optimize computer vision model platforms in a challenging frontend and backend role.

## SKILLS

**Programming Languages:** C, C++, Python, Java, PHP, C#, Javascript, Typescript
**Frameworks/Libraries:** Qt, PySide/PyQT, PyTest, Angular, React
**DevOps:** Git, Github, Docker, Kubernetes, CICD
**Testing:** Unit test, Regression test
**APIs:** RESTful APIs

## EXPERIENCE

### Hierarchical Deterministic Wallet(HD Wallet)

Developer                                                                                          Apr 2024 - Present

Developed a Python-based library for implementing a hierarchical deterministic wallet generator supporting over 200 cryptocurrencies, managing multiple coins, accounts, and millions of addresses per chain.

- Designed and built a desktop application interface for user interaction with the HD Wallet, streamlining wallet creation and management with Python.
- Developed a responsive web application using Python, extending the functionality of the HD Wallet to manage wallets on multiple devices.
- Debugged and resolved critical issues in desktop and web apps, leveraging Python to ensure a reliable user experience through unit and regression testing.
- Authored comprehensive technical documentation to assist developers in integrating the HD Wallet library into their projects.

### Bitcoin Improvement Proposal -0038(BIP38)

Developer                                                                                          Apr 2024 - Present

Developed a cross-platform desktop client application adhering to BIP38 standards for secure key management, supporting both No EC-multiply and EC-multiply encryption modes using Python.

- Implemented an intuitive user interface and backend logic in Python, facilitating seamless interaction with the BIP38 library.
- Diagnosed and resolved critical bugs across applications using Python, contributing to enhanced reliability and user experience through continuous integration and deployments (CI/CD).
- Authored automation scripts to streamline the build and deployment process across various platforms.

### Gotmeri PLC                                                                          Addis Ababa Ethiopia

Desktop App Developer                                                                          Jan 2023 - Dec 2023

- Developed and maintained features for a Hospital Management System (HMS) project using Java.
- Collaborated with a team of developers to ensure project success.

- Utilized Spring Boot framework for efficient and scalable application development.
- Interacted with clients to gather requirements and ensure project alignment with expectations.

## ClowRast - 3D Software Rasterizer

Developer                                                                       2020 - Present
- Developed a shader-based software rasterizer in C11, optimized for real-time rendering of 3D graphics.
- Engineered the system to support seamless loading, parsing, and rendering of complex 3D models.
- Created a user-friendly interface to easily navigate, view, and manipulate 3D models in various formats.
- Utilized advanced mathematical algorithms to handle perspective-correct texture mapping, z-buffering.
- Conducted extensive testing and profiling to ensure cross-platform compatibility and stability.
- Documented the entire development process and produced detailed project reports outlining technical challenges and solutions.

## EDUCATION

**ADMAS UNIVERSITY, ADDIS ABABA, ETHIOPIA**
Bachelor of Science - BSc, Computer Science                    Sep 2019 - Aug 2023

**DONBOSCO CATHOLIC SCHOOL**
High School Diploma                                                              2016 - 2019

## CERTIFICATES

**Bachelor of Science (BSc) in Computer Science:**
**Cybersecurity:** Cisco Networking Academy - Certificate of Course Completion

## LANGUAGES

- English(Proficient), Amharic(Native)