Curriculum Vitae

Personal Information

- **Full Name**: Amanuel Temesgen Halefom
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Education

- **Degree**: Bachelor of Software Engineering, Mekelle University
  - **CGPA**: 3.91   (2024 G.C)

Certifications

- **Ethiopian National Exit Exam**: 81%   (2024 G.C)
- **English language Proficiency** from Mekelle University   (2024 G.C)
- **Artificial Intelligence Fundamentals** from Udactiy   (2025 G.C)

Projects

- **Asset Management System (Spring Boot) for Development Bank of Ethiopia**
  Engineered a high-performance backend with JWT security, role-based access, and optimized data handling via pagination, indexing, and materialized views. Streamlined architecture using Clean Architecture patterns and Generics, achieving code efficiency.

- **Student and Employee Clearance System** for Mekelle University (Developed with Spring Boot (backend), React.js (frontend), and PostgreSQL (database). Implemented user authentication, role-based access, and RESTful APIs, ensuring scalability, security, and clean architecture.)

- **Portfolio Website** (Built a personal portfolio site to showcase my projects and skills using HTML, CSS, and JavaScript.)

Technical Skills

- **Programming Languages**: Java
- **Web Technologies**: HTML, CSS, JavaScript, React,TypeScript

- ✶ **Frameworks**: Spring Boot, Apache Kafka,Angular
- ✶ **Databases:** Oracle, PostgreSQL, MySQL, MongoDB
- ✶ **Tools & Technologies:** VSCode, IntelliJ IDEA, Eclipse, Docker
- ✶ **Version Control:** Git, GitHub,Gitea

Experiences

Software Engineer
Development Bank of Ethiopia | April 2025 – Present

As a java backend develper on the Asset Management System, I architect and optimize Spring Boot solutions for Ethiopia's largest financial institution. I've implemented JWT-secured APIs with granular role controls (Inputer/Authorizer workflows), achieving faster processing through strategic pagination, database indexing, and materialized views. My design leverages Clean Architecture and Generics to eliminate code duplication across modules, while OpenAPI documentation ensures maintainability for the 6-person development team.

Network & Systems Engineer
China CITIC | February 2025 – March 2025

Led critical infrastructure projects for Ethiopian government clients, including the **maintenance of Addis Ababa Police Commission's secure radio communication system and** Spearheaded the **national thin-client rollout** for the Ministry of Education, deploying 240+ thinclients across 4 schools by configuring **FusionAccess VDI, FusionCompute servers,** **and CNA networks** to enable low-bandwidth digital education access.