

EMMANUEL M RWEYENDERA

Personal Information

Name: Emmanuel Meltrides Rweyendera

Date of Birth: 16th January 2002

Place of Birth: Dar es Salaam, Tanzania

Nationality: Tanzanian

Marital Status: Single

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Languages: Kiswahili and English

GitHub: <https://github.com/Rwendo-snowden>

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Career Objective

To obtain a challenging position in the technology industry where I can apply my knowledge and skills in the Information Technology (IT) industry and Telecommunication Engineering to develop innovative solutions that meet the needs of clients and users.

Educational Background

2021 – 2025: University of Dodoma, BSc in Telecommunication Engineering

2019 – 2021: St. Anne Marie Secondary School, Advanced Certificate of Secondary Education

2015 – 2018: Thomas More Machrina High School, Certificate of Secondary Education

2007 – 2014: St Mary's International Academy, Certificate of Primary Education

Skills and Competencies

- Programming: Dart, Python, Solidity, PHP
- Frameworks: Laravel, Flutter
- Web and Mobile Development
- Optical Access Network (FTTx)
- Computer Maintenance and Networking
- Embedded Systems and IoT
- Attention to detail, creativity, public speaking, and communication skills

- **Professional Flutter Skills (3+ Years Experience).**

- Advanced UI/UX using Material Design and custom reusable widgets
- State management: GetX, Provider, Riverpod
- API integration with REST, JSON, token-based auth
- Offline-first app development using Hive and SQLite
- Real-time apps using Firebase and WebSockets
- Flutter Maps (MapTiler, OSM, Google Maps) for tracking/navigation
- Bluetooth & WiFi communication with IoT devices (ESP32)
- Performance optimization, caching, lazy loading
- Expertise in publishing, debugging, and Play Store optimization

- **Professional Laravel Skills (3+ Years Experience)**

- Authentication/Authorization: Sanctum, JWT
- Database design & optimization (MySQL)
- Queue systems, cron jobs, task scheduling
- Payment integrations including Selcom callback APIs
- MVC architecture, Blade templating, API rate limiting
- Deployment on shared hosting and VPS environments
- Building secure RESTful APIs and backend systems

Work and Experience

During my academic journey, I have gained hands-on experience through various internships and projects. At The University of Dodoma, I worked from July to October 2022 in full-stack web development, where I developed a student government management system (UDoSo) for communication and HESLB loan processing. I was also involved in computer maintenance, managing lab hardware, software installations, and user access control. Since then I have been working In the collage computer lab as student IT support until my final year in 2025.

In 2023, I interned at Umoja Switch Company Limited, where I served as an ATM Maintenance Engineer. My tasks included assembling and disassembling Diebold ATMs and performing software installations.

From July to October 2024, I was a Telecommunication Engineering Trainee at Tanzania Telecommunication Corporation Limited (TTCL) in Dodoma. My work covered access network operations such as fiber fault repair and customer installations, power and air conditioning system checks on tower infrastructure, and radio link planning using Radwin. I participated in daily tower activations and practical configuration tasks. I worked extensively with FTTX including optical fiber fault maintenance, splicing, and installations at various customer premises across Dodoma regions including Nkuhungu, Machinga Complex, and Nyerere Square

Moreover, I have foundational knowledge in FTTX technologies, and I attended Huawei's professional training session held 16th July 2025, further enhancing my handson skills in modern telecommunication systems. I also had a field (practical) survey training on 18th July 2025.

From 28th July 2025 to the 31st October, I Work as Access Network Product Manager Intern at HUAWEI Technologies Company limited. My Work as a product manger is to design Optical network solutions and create their corresponding BOQ for the customer. I recently work at the TTCL FTTx Pilot project at kimara; And the Airtel Project in different parts of Dar es Salaam.

In addition to my experience working with the companies mentioned above, I am a selfmotivated freelance mobile and backend developer with over four years of experience in developing various platforms. Moreover, I am also a passionate embedded systems engineer, having worked on numerous projects. My most notable achievement is the Water Distribution System for Apartments, an integrated solution that combines a Flutter-based mobile application with an embedded circuit powered by an ESP32 microcontroller.

Referees

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Declaration

I, Emmanuel Rweyendera, declare that the information provided is true and correct to the best of my knowledge.