Yosef Emyayu

Junior IT Officer

Detail-oriented and innovative Engineer with strong experience in full-stack development, digital banking systems, and internal tool development. Skilled in troubleshooting ATM, ITM, POS systems, card monitoring, web application development, and automation solutions. Passionate about building efficient systems.

CONTACT

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SKILLS

Frontend:
- HTML/CSS/SCSS
- JavaScript
- React/Figma
- Bootstrap
- Material UI

Backend:
- Python/Django
- Web scraping
- REST API
- Java/javafx

Databases:
- MySQL
- PostgreSQL
- Oracle DB

DevOps & Tools:
- Git /Github/gitlab
- Docker
- JIRA
- Notion

AWARDS

Higher Achievement Award

Addis Ababa Science and Technology University - July 2022.

Dean's Award for Higher Achievement

AASTU School of Electrical and Mechanical Engineering - February 2022

EDUCATION

B.Sc., Electrical & Computer Engineering

Addis Ababa Science and Technology University
Computer Engineering focus
CGPA: 3.81
Sep 2018 - June 29, 2022

Data Science

ALX:African leadership Academy
Addis Ababa, Ethiopia
Jan 2025 - Now

EXPERIENCE

Junior IT Officer

Bank of Abyssinia | Addis Ababa, Ethiopia,   Mar,2024–present

- Developing internal tools for critical digital banking equipment, including ATMs, card systems, and POS terminals.
- Hardware and software maintenance for both ATM and ITM
- And contributing to new projects and system upgrades.

IT Trainee

Bank of Abyssinia | Addis Ababa, Ethiopia,   Jan, 2023 – Mar, 2024

- Monitor and ensure availability of both ATMs and ITMs
- Automating tasks and developing tools to support digital banking equipments
- ATM and ITM first line hardware and software maintenance.

IT officer-Trainee

Horra corporate | Addis Ababa, Ethiopia,   Sep, 2022 – Jan, 2023

- Trace and solve networking-related problems.
- Programming (java project that provides IT)
- Computer Hardware and Software Maintenance

Full Stack Developer (Intern)

Go2Code | Online   Nov 2024 – Dec 2024

- Built web pages and improved UI/UX
- Helped design databases and APIs
- Worked on web security and performance optimization

CERTIFICATION

- **AI Career Essentials – ALX**
  August - 2024
- **Data Analysis Fundamentals – Udacity**
  September -2024
- **Version Control with Git – Atlassian**
  February - 2024
- **UI/UX Figma – Udemy**
  November - 2024

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SELECTED PROJECTS

M-POS Receipt Delivery & Transaction Monitoring

- Developed a web portal for monitoring transactions and tracking issues
- Designed a classification system to suggest possible solutions for common issues
- Dashboard and reporting feature for the Merchant Finance team
- Implemented a QR-based receipt delivery feature for customers from POS machines (currently on hold pending CAB security review)

BOA-Digital-X – ATM Monitoring Tool

- Web tool for tracking ATM cash levels, hardware/software status, and network connectivity
- Automates issue detection and escalates incidents to vendors and relevant districts

BOA-Card Viewer – Card Transaction Monitoring System

- Detects and classifies transaction issues; sends alerts and generates daily reports
- Supports analysis of international transactions and Visa STIP impacts on core banking
- Assists in identifying transaction failures and their possible causes

POS-X – Real-Time POS Monitoring Platform

- Monitors Ingenico POS machine status (active, needs attention, offline/out-off-service)
- Alerts staff on excessive declines and unusual transaction activity in real time

EJ Finder for Recycler Machine (In Development)

- Locates electronic journals and checks transaction status from ATM logs
- Provides user-friendly explanations of error codes on ej for non-technical staff

ITM Reconciliation Tool (In Development)

- Automates 2-way (CBS + Teller-X) and 3-way (CBS + Teller-X + ITM EJ) reconciliation
- Simplifies the process for identifying mismatches and errors in ITM transactions

e-Gebeya – E-Commerce Platform

- Developed using Django and React with a scalable, secure API architecture
- Implemented admin features based on user roles for inventory management, pricing, promotions/discounts, and customer management
- Integrated order and cart management systems for a seamless shopping experience

PUBLICATION

Computer Vision Based Authentication and Monitoring System

International Journal of Innovative Science and Research Technology (July 2022, Vol. 7, Issue 7)

- Developed a facial recognition-based access system for secure campus/resource entry
- Utilized Raspberry Pi, SQLite, and an admin GUI for user registration and system monitoring
- Integrated two-factor authentication with passwords and OTPs to ensure security across lighting variations
- Link: https://www.researchgate.net/publication/377691446_Computer_Vision_Based_Authentication_and_Monitoring_System

RECOMMENDATION

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