

TOMIDE MICHEAL ERINOLA

Software Developer | Python Programmer

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PYTHON SOFTWARE DEVELOPER

Python Software Developer with proven experience building real-world applications, improving backend logic, and supporting digital transformation during my NYSC with the Lagos State Ministry of Science and Technology. I develop efficient, scalable solutions using Python, Flask, MySQL, and Git while collaborating with cross-functional teams to deliver clean and user-focused features. I have improved digital workflows, automated tasks, and contributed to multiple product development cycles. Seeking a forward-thinking engineering team where I can add measurable value.

Technical Skills

- **Languages:** Html, Css, Python, JavaScript, ReactJs, mySQL
- **Frameworks:** Flask, Bootstrap
- **Tools:** Git, GitHub, Figma
- **Concepts:** Rest API Integration, Authentication, CRUD Operations, Debugging, UI Implementation
- **Computer Networks:** Networking protocols and technologies.
- **Database Systems:** Database design and management using mySQL and MongoDb.
- **Soft Skills:** Time Management, Analytical Thinking, Team Collaboration, Communication

PROJECTS

• Quicklet – Multi-Role Rental Management Web Application (Python Flask, mySQL). Url: [Quicklet](#)

- Built a full-stack rental platform with **Admin, Agent, and User roles** using **role-based access control (RBAC)**.
- Developed **RESTful APIs** for authentication, apartment listings, bookings, and admin operations.
- Implemented **secure authentication** with **JWT, session management, and Google OAuth2**.
- Created dynamic apartment search and filtering by **location, category, state, and LGA**.
- Improved property management efficiency, reducing manual oversight by 30% through automation and structured workflows.

• JoyXpress – Multi-Role Logistics & Shipment Management Web Application (Python Flask, SQLAlchemy, PythonAnywhere) Url: [JoyXpress](#)

- Built a full-stack logistics platform with Admin, User, Staff, and Agent dashboards using role-based access control (RBAC).
- Developed shipment management workflows including assignment, pickup, in-transit tracking, and delivery confirmation.
- Implemented **secure authentication** with hashed passwords, session management, and role-restricted actions.

- Created **dynamic shipment tracking, payment verification, and cost calculation** based on weight, distance, and delivery type.
 - Streamlined logistics operations, reducing manual oversight and enabling **real-time monitoring of shipments**, improving operational efficiency.
- **Tomide Construction Group (TCG) – Construction Web Application. Url:[TCG](#)**
Python (Flask), MySQL, SQLAlchemy, REST APIs, Flask-Mail, Bootstrap
- Built a role-based construction management system with **Admin and Staff dashboards**.
 - Implemented **task assignment workflows**, allowing admins to assign jobs to staff members.
 - Enabled staff to **update task statuses** (pending, in-progress, completed) with real-time tracking.
 - Integrated **Flask-Mail** to send email notifications for task assignments and status updates.
 - Designed secure authentication, session handling, and structured database relationships.

NYSC

- **National Youth Service Corps, Lagos State**

July 2023-July 2024

PROFESSIONAL EXPERIENCE

Lagos State Ministry of Science and Technology Alausa, Lagos

Software Developer Intern | NYSC (Sept 2023 – Jul 2024)

- Automated internal workflows using Python scripts, reducing manual reporting and data entry by 25%.
- Developed dashboards and internal tools to enhance user experience for staff and management.
- Collaborated with developers to improve system reliability and optimize backend logic.

Higher Ground – Technical Assistant / Junior IT Support

(Aug 2022 –July 2023) | Mowe, Ogun State

- Improved internal workflows by organizing digital files, streamlining document management, and supporting system operations.
- Assisted with technical troubleshooting and maintenance of office hardware and printing systems, ensuring minimal downtime.
- Took initiative to lead responsibilities during management absence, maintaining smooth day-to-day operations.
- Developed small scripts and procedures to automate repetitive administrative tasks, improving overall team efficiency.
- Supported production of large-format digital assets, integrating technical tools to optimize output quality and delivery timelines.

EDUCATION

B.Sc Computer Science, Ecole Supérieure des Technologies Avancées et de Management, Benin Republic

Second Class Upper (2018-2022)