

# 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)**