

SAMUEL O. TORIMIRO

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PROFESSIONAL SUMMARY

Experienced software engineer, data / automation specialist, and technical writer with a strong database design, automation, and web development background. Demonstrated success in supporting educational environments by developing secure and scalable technology solutions. Skilled or knowledgeable in Python, SQL, Visualization, Oracle, Banner ERP, data warehousing, Windows, PHP, Django, and API-based system connections, with a commitment to enhancing data accessibility and reliability in academic settings.

TECHNICAL SKILLS

Markup Languages: HTML, CSS, Markdown

Programming Languages & Frameworks: Python, PHP, JavaScript, SQL, Django, React, Bootstrap

Tools & Technology: Oracle, MySQL, Docker, AWS, SFTP, D2L LMS, WordPress, Git, GitHub, Microsoft Excel, Power Automate

Other Skills: Troubleshooting, Security Compliance, Database Schema Design, Web Development, Technical Writing, Visualization

PROFESSIONAL EXPERIENCE

Data Specialist

Serenity Home Health Care, Niles, IL, USA

September 2025 – January 2026

- Managed and optimized data workflows across Excel, Google Sheets, and Power Automate, automating recurring processes and reducing manual data processing time by 30%.
- Extracted, transformed, and analyzed datasets of 1,000+ patient and operational records, generating insights that supported weekly business and operational reporting.
- Conducted data validation and cleansing on large datasets, identifying and correcting data inconsistencies and improving overall dataset accuracy by 25%.
- Built and maintained automated reporting templates and dashboards, enabling management to track key operational metrics and service performance more efficiently.
- Standardized data formats and transformation procedures, improving data consistency across 3+ internal reporting systems.
- Used Python to clean, transform, and process 1,000+ client visit records, creating structured datasets for storage and querying in Microsoft SQL Server (MSSQL).

Automation Specialist / Quality Control Manager

Serenity Home Health Care, Niles, IL, USA

June 2025 – September 2025

- Developed Google Apps Script automation to process AxisCare export data in Google Sheets, reducing manual data processing time by 40%+ and improving reporting efficiency.
- Built an automated CSV ingestion and analysis system that imports visit data from Google Drive, processes 1,000+ visit records weekly, and flags missed client visits for rapid operational follow-up.
- Designed automated reporting workflows that identified missed visits and service gaps, enabling staff to respond 2–3x faster to scheduling issues.
- Implemented semi-automated data validation and reporting pipelines, improving data accuracy by ~25% and reducing manual reconciliation tasks.
- Streamlined quality monitoring processes by creating automated summaries and dashboards in Google Sheets, allowing management to quickly track service compliance and caregiver performance metrics.

Software Engineer

School of Extended Learning, Eastern Illinois University, IL, USA

January 2024 – December 2024

Academic Challenge Application Development

- Redesigned the "Academic Challenge" web application using PHP, MySQL, HTML, CSS, and JavaScript, delivering a modern UI that improved usability and contributed to an estimated ~2% increase in program revenue.
- Developed a full-featured admin dashboard that streamlined backend operations, reducing administrative management time by ~30%.
- Redesigned and optimized the MySQL database architecture, improving query performance by ~35% and supporting reliable storage for 1,000+ competition records and participant entries.
- Integrated Google SMTP email automation, enabling the system to send 100+ automated notifications per competition cycle, improving participant communication and reducing manual email handling.
- Strengthened application security by implementing prepared SQL statements and input validation, eliminating 100% of identified SQL injection vulnerabilities and improving overall application security compliance.

- Managed secure server deployments via SFTP, performing 20+ production uploads while maintaining 100% data integrity during releases.
- Mentored and supervised 1 junior developer

Pension Trustees Training Application Development

- Developed a PHP/MySQL storefront for the *Illinois Municipal League Pension Trustees Training program*, integrating with D2L Brightspace LMS via REST API to automate course purchases and enrollment for 100+ municipal participants, helping retain a key institutional training contract.
- Implemented API-driven course automation, enabling automatic course creation, enrollment, and user synchronization in D2L, reducing manual administrative processing by ~40% and improving the user enrollment experience.

Technologist

Instructional Technology Center, Eastern Illinois University, IL, USA

September 2023 – December 2023

- Supported daily printing operations for 50+ students and faculty, ensuring accurate document reproduction and reducing printing issues through timely technical assistance.
- Operated and maintained laminating and document finishing equipment, processing 50+ materials while maintaining high-quality output and improving user satisfaction.

Web Developer

Shekelsfield N., Limited || <https://shekelsfieldnig.com>

September 2020 – August 2023

- Developed and deployed a full-stack agricultural company website using HTML, CSS, Bootstrap, PHP, and MySQL, improving the company's online presence and supporting engagement for 100+ potential customers and stakeholders.
- Designed a fully responsive UI/UX, ensuring seamless performance across desktop, tablet, and mobile devices, improving usability and reducing page navigation friction.
- Deployed and managed the production website via cPanel hosting, ensuring stable, secure access to company services and information.
- Implemented Git-based version control with GitHub, managing commits and updates.

Python (Django) Course Instructor

Educative.io

September 2021 – February 2022

- Authored and published a technical course on Test-Driven Development (TDD) with Django, delivering structured lessons on building robust web applications for global software development learners on Educative's interactive learning platform.
- Demonstrated the TDD workflow (Red → Green → Refactor) through step-by-step implementation, helping developers understand how to write maintainable and testable code.
- Built a full Django application from scratch using TDD principles, illustrating modern backend development practices.

Guest Technical Writer

TestDriven.io & Section.io

May 2021 – January 2022

- Authored 7+ technical articles on web development and software engineering, published on industry platforms TestDriven.io and Section.io, reaching a global developer audience.
- Produced project-based tutorials demonstrating practical implementations of modern web development concepts using Python, Django, APIs, and backend development tools.
- Simplified complex engineering topics into step-by-step technical guides, helping developers understand and implement real-world solutions more effectively.
- Researched and wrote long-form technical content (1,500–3,000+ words per article), ensuring accuracy, clarity, and practical applicability for software developers.

Founder & Software Developer

Nesa Academy || <https://nesaacademy.com>

November 2020 – June 2021

- Designed and developed a Q&A web application using Python (Django) that enabled 100+ economics students to ask and answer academic questions, creating a collaborative learning environment similar to Stack Overflow.
- Built and deployed RESTful API endpoints to enhance website interactivity and user experience.
- Deployed and managed application infrastructure using Git, Docker, and AWS S3, improving deployment efficiency and ensuring secure, scalable storage for user-generated content and study resources.

- Curated and uploaded a repository of 150+ solved past examination questions, providing students with centralized access to study materials and improving exam preparation efficiency.
- Presented the platform to 50+ incoming university freshmen, demonstrating system functionality and encouraging adoption as a digital academic support tool.

EDUCATION

Master of Science, Technology

Eastern Illinois University, USA
2024

Certificate, Computer Technology

Eastern Illinois University, USA
2024

Bachelor of Science, Economics

Osun State University, Nigeria
2022

PROJECTS

Calculate.This | | <https://thisdotcalculate.netlify.app/>

- Collaborated with other software engineers to make a website with basic calculator functionalities/utilities.
- Created a Unit Converter module and a Budget Calculator module (with the ability to generate and print). Technologies used include HTML5, CSS3, and JavaScript.

TECHNICAL DOCUMENTATION

- Basic and full-text search with Django and PostgreSQL: (<https://testdriven.io/blog/django-search>)
- Supporting multiple languages in Django: (<https://testdriven.io/blog/multiple-languages-in-django/>)
- Implementing Authenticated API Requests to Strapi: (<https://strapi.io/blog/implementing-authenticated-api-requeststo-strapi>)
- Build a flight booking application with Angular and Node.js Part 1: (<https://developers.amadeus.com/blog/flightbooking-app-angular-1>)
- Pagination in Django: (<https://testdriven.io/blog/django-pagination/>)
- Deploying Django to Replit: (<https://blog.replit.com/deploying-django>)
- Build a Contact Form with PHP (<https://www.cloudzilla.ai/dev-education/build-a-contact-form-with-php/>)
- Full-stack Reactive Website in Django (No JavaScript) (<https://www.cloudzilla.ai/dev-education/full-stack-reactive-website-in-django/>)
- PHP Payment Gateway Integration with Rapyd (<https://community.rapyd.net/t/php-payment-gateway-integration-with-rapyd/35921>)
- How to Send Emails in Django (<https://www.cloudzilla.ai/dev-education/how-to-send-email-in-django/>)