

# SAMUEL TORIMIRO

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## PROFESSIONAL SUMMARY

Experienced information technologist with a strong database design, optimization, and web development background. Demonstrated success in supporting educational environments by developing secure and scalable technology solutions. Skilled or knowledgeable in SQL, Oracle, Banner ERP, data warehousing, Windows, Python, 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

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

**Tools & Technology:** Oracle, MySQL, Git, Docker, AWS, SFTP, D2L LMS,

**Other Skills:** Troubleshooting, Security Compliance, Database Schema Design, Web development

## PROFESSIONAL EXPERIENCE

### Graduate Assistant (Information Technologist)

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

January 2024 – Date

#### Academic Challenge Application Development

- **Revamped “Academic Challenge” Web Application:** Redesigned a PHP and SQL based application, creating a modern, user-friendly interface that enhanced customer satisfaction and potentially increased revenue by 2%.
- **Developed Advanced Admin Panel:** Built a comprehensive admin panel for the application, improving backend management efficiency and functionality.
- **Database Optimization:** Redesigned the MySQL database, making it scalable to support future growth and ensure data integrity.
- **Integrated Google SMTP for Email:** Enhanced communication by embedding mailing functionality through Google SMTP.
- **Secured Application Against SQL Injection:** Implemented security measures to prevent SQL injection, ensuring data protection and compliance with best practices.
- **Managed Server Uploads via SFTP:** Handled secure file transfers and server uploads, maintaining data security and accessibility.
- **Supervised and Mentored a Junior Developer:** Provided guidance and support to a junior team member, enhancing their technical skills and contribution to the project.

#### Pension Trustees Training Application Development

- **Built Storefront with LMS Integration:** Developed a storefront for “Pension Trustees Training for Illinois Municipal League,” integrating with D2L Brightspace LMS to automate course purchases and enrollment using API integration, which was instrumental in retaining an organizational contract.
- **API-Driven Course Automation:** Enabled seamless course creation and management in D2L via API, streamlining user experience and operational efficiency.

#### Instructional Technologist Duties

- **Course Revamp for Illinois Realtors:** Modernized and enhanced an educational course for Illinois Realtors, making it more interactive and engaging to improve learner experience and satisfaction.

### Founder & Information Technologist

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

November 2020 – June 2021

- **Developed Q&A Web Application for Economics Students:** Built a Python (Django) based application enabling students to ask and answer economics-related questions, fostering a collaborative learning environment similar to StackOverflow.
- **Managed Server Deployments with Git, Docker, and AWS S3:** Ensured seamless and secure server uploads by using Git for version control, Docker for containerization, and AWS S3 for reliable file storage, optimizing application scalability and accessibility.
- **Presented Application to Incoming Freshmen:** Delivered a presentation on the platform’s features and usage to new students, promoting its value for academic support within the university.
- **Integrated Solved Past Questions:** Uploaded a repository of 150 solved past questions, giving students easy access to study materials for test and exam preparation.
- **Developed API Endpoints for Frontend Integration:** Created multiple API endpoints to support a responsive JavaScript frontend, ensuring a smooth and interactive user experience.

## EDUCATION

### Master of Science, Technology

Eastern Illinois University, USA

2024

### Bachelor of Science, Economics

Osun State University, Nigeria

2022

## MEMBERSHIPS

Member; National Society of Black Engineers, USA

## PROJECTS

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

- Collaborated with other software engineers in making 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.

## CERTIFICATIONS

- **LinkedIn Learning:** Introduction to Linux (2024)
- **LinkedIn Learning:** Programming Foundations: Databases (2020)
- **LinkedIn Learning:** Programming Foundations: Fundamentals (2020)
- **LinkedIn Learning:** Succeeding in Web Development: Full Stack and Frontend (2020)