

LIGHT IKOYO

Backend Software Development Intern

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- <https://keys-digital.github.io/Light-Ikoyo-Portfolio/>
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EDUCATION

Bachelor of Fisheries,
(Agricultural Science)
University of Benin,
Benin City, Nigeria
2005 - 2010

CORE COMPETENCIES

- Node.js | Express.js | MongoDB
- React.js | Redux |
- TypeScript | HTML | CSS
- Tailwind CSS | Bootstrap
- AWS | Git | DevOps
- REST APIs | Authentication
- Agile | Database Optimization

CERTIFICATIONS

JavaScript Back-End
Certification - PORA TECH
ACADEMY
Focus: Node.js, Express.js,
and database management.

JavaScript Full-Stack
Development –
(IBM Certified)
Focus: React.js, API
development, and cloud-
based deployment.

PROFESSIONAL SUMMARY

Passionate Backend Software Engineer with expertise in Node.js, Express.js, MongoDB, and API development. Experienced in building secure, scalable web applications and RESTful APIs. Adept at implementing JWT authentication, database management, and cloud-based deployments. Skilled in Agile methodologies, DevOps practices, and CI/CD pipelines and ensuring seamless data

PROFESSIONAL EXPERIENCE

Freelance Software Engineer

2024 – Present

- Specialize in **MERN stack development**, creating **scalable** and **high-performance** applications.
- Develop **RESTful APIs** with **Node.js** and **Express**, ensuring **secure authentication** and **smooth API integration**.
- Implement **responsive front-end interfaces** using **React**, **TailwindCSS**, and **Bootstrap**.
- Optimize **database queries** and **backend performance** for **efficient data processing**.
- Collaborate with clients to **transform ideas into fully functional software solutions**.

Amazon Affiliate Marketer (Entrepreneurial Role)

2018 – Present

- **Build and maintain** a WordPress website, previously developed with no coding skills, now integrating **JavaScript** for enhanced interactivity and user experience.
- **Leverage React.js** for dynamic content rendering and **Node.js** for efficient back-end management.
- **Apply SEO strategies** and cloud deployment to optimize website performance and drive organic traffic.
- Utilize API integration to expand website functionality, streamlining affiliate sales operations.

PROJECT HIGHLIGHT

Authentication & Role-Based Access Control (RBAC) API

Completed: March 2025

<https://github.com/Keys-digital/auth-rbac-api-v2>

- **Redesigned and optimized** the architecture of **Auth-RBAC-API**, transforming it into **Auth-RBAC-API-V2** for enhanced **scalability, performance, and security**.

- Modularized the codebase, improving maintainability by separating authentication, authorization, database handling, and middleware layers.
- **Refactored authentication and role management logic**, enabling fine-grained **Role-Based Access Control (RBAC)** for seamless user role assignments and permission checks.
- **Optimized MongoDB queries**, reducing redundant operations and implementing **indexing strategies** for faster data retrieval.
- **Integrated JWT and OAuth 2.0**, strengthening authentication with **token expiration, refresh token management, and secure password hashing**.
- **Resolved line-ending discrepancies and standardized the code format**, ensuring smooth cross-platform collaboration.
- **Optimized MongoDB queries**, reducing redundant operations and implementing **indexing strategies** for faster data retrieval.

Note: This project is a **restructured and enhanced version of Auth-RBAC-API**, introducing significant improvements in **security, efficiency, and maintainability** to support modern web applications.

► Online Book Review Application – Backend Project

<https://github.com/Keys-digital/expressBookReviews>

- Developed a secure REST API for an online book review application using Node.js and Express.
- Integrated JWT-based session authentication for secure user access.
- Handled asynchronous operations using Promises and Async-Await for smooth data flow.
- Tested and optimized API functionality for seamless user interaction.

GiftLink – Full-Stack Web Application

<https://github.com/Keys-digital/fullstack-capstone-project>

- Built **GiftLink**, a full-stack web app for giving away and receiving free household items.
- Developed front-end features with **React** (home page, listings, search, item details, profile).
- Created back-end APIs with **Node.js** and **MongoDB** for secure data storage and integration.
- Implemented secure **authentication** and login for user management.
- Containerized the app with **Docker** and deployed for scalability.
- Applied **Agile** and **DevOps** practices, including CI/CD pipelines and continuous testing.