

LIGHT IKOYO

Full-Stack Software Development

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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

Full-Stack Software Engineer with expertise in **JavaScript/TypeScript**, specializing in **Node.js, NestJS, MongoDB**, and modern frontend frameworks like **React.js** and **Next.js**. Experienced in building **secure, scalable web applications** and **RESTful APIs** with clean, modular architecture. Proficient in **Docker, CI/CD, database optimization**, and delivering clean, maintainable code in **Agile/DevOps**.

PROFESSIONAL EXPERIENCE

Founder & Lead Engineer – Shopinkeys (Remote)

2024 – Present

- Architected and developed a full-stack Amazon Affiliate platform using **TypeScript, Node.js (NestJS), MongoDB, and React.js** with scalable, SEO-optimized design.
- Designed a **Role-Based Access Control (RBAC)** system with JWT authentication for secure user roles: Admin, Editor, Collaborator, and Guest.
- Implemented clean, modular backend architecture separating concerns into controllers, services, operations, repositories, and middlewares.
- Wrote unit and integration tests using **Jest**, achieving high code coverage and robust error handling through custom middleware.
- Integrated **Docker** for seamless local development and deployed via **GitHub Actions CI/CD pipeline to AWS EC2**, ensuring scalability.
- Built responsive, performance-focused UIs with **Tailwind CSS and React**, and integrated multilingual support.
- Collaborated with reviewers and stakeholders to ensure a clean UX and codebase aligned with agile and scalable software principles.
- Proficient in version control (Git), RESTful APIs, Postman testing, and Agile development methodologies.

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.