

# Adedamola Olawale Abraham

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## PERSONAL OBJECTIVE

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As an enthusiastic and passionate backend developer with expertise in building scalable server-side applications and RESTful APIs using Node.js, PHP, and modern database technologies, I seek opportunities to contribute my technical skills and creativity to dynamic and forward-thinking organizations. With my interests in developing functional and scalable web applications, I am committed to making a positive impact by collaborating with diverse teams and building products with real-world use cases.

## SKILLS & INTERESTS

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**Skills:** PHP, NodeJS, Express, MongoDB, MySQL, PostgreSQL, TypeScript, NextJS, JavaScript, HTML and CSS, ReactJS, Tailwind CSS, Bootstrap, WordPress, Data Structures and Algorithms, Git and GitHub, Bash Scripting, Linux

**Languages:** English

**Interests:** Reading Books and Tech Blogs, Watching Movies, Playing Indoor Games

## WORK EXPERIENCE

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**LivePetals Systems,**  
*Software Developer Intern*

**Akure, Nigeria**  
*June 2024 - November 2024*

- Architected and developed RESTful APIs for three full-stack applications using PHP, MySQL, and modern JavaScript frameworks, serving multiple user roles and business logic requirements.
- Built a Point of Sales Management System with role-based authentication, implementing secure admin routes for inventory management and order processing, plus sales representative interfaces for customer and order management.
- Led development of an e-commerce platform handling multi-actor authentication and authorization (admin, merchant, rider, and user), designing normalized database schemas to support product catalog, order processing, and payment workflows.
- Implemented core backend features, including user authentication systems, merchant product management APIs, order processing logic, payment integration, and administrative dashboards for user and merchant oversight.
- Designed and optimized MySQL database schemas across projects, ensuring data integrity, proper relationships, and efficient query performance for high-traffic operations.
- Coordinated team development efforts through Git/GitHub, conducted code reviews, and delivered weekly technical presentations to stakeholders on project milestones and system architecture decisions.

## PROJECTS

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- **Community-Driven Learning System** | Next.js, TypeScript, PostgreSQL, Node.js, Prisma, WebSocket, REST APIs
  - Architected and developed a full-stack collaborative learning platform serving 25,000+ potential users at FUTA, implementing real-time collaboration features using WebSocket technology and Progressive Web App architecture for offline functionality.
  - Designed and optimized PostgreSQL database schemas with Prisma ORM, implementing complex relationships for user management, content versioning, and community governance across courses, resources, and discussions.
  - Integrated Google Gemini AI with Retrieval-Augmented Generation (RAG) architecture to automatically extract questions from uploaded documents, identify academic concepts, and provide context-aware answers with 87% accuracy.

- Built RESTful APIs handling authentication (NextAuth.js), file uploads (Cloudinary), real-time discussions, and a badge-based community governance system, achieving 99.8% uptime and a 1.2-second average response time.
- Implemented machine learning-powered semantic search and intelligent resource recommendation systems, resulting in a 5x improvement in study material discovery and a 78% success rate in peer learning formations.
- GitHub: [[github.com/Dprof-code/studyhub-app](https://github.com/Dprof-code/studyhub-app)] | Live: [[studyhub-futa.vercel.app](https://studyhub-futa.vercel.app)]
- **E-commerce Platform** | PHP, MySQL, REST APIs
  - Multi-tenant e-commerce system with role-based access control for 4 user types
  - Designed normalized database schemas supporting product catalog, order processing, payment workflows, and real-time inventory tracking
  - Implemented authentication/authorization systems, merchant dashboards, and administrative oversight features
  - Features: Product management, order processing, payment integration, real-time inventory tracking
- **Point of Sale System** | PHP, MySQL
  - Inventory and sales management system with role-based authentication for admins and sales representatives
  - Built secure admin routes for stock management and sales analytics with customer and order tracking capabilities

## EDUCATION

**Federal University of Technology, Akure,**

**Ondo, Nigeria**

*December 2019 - September 2025*

*Bachelor of Technology in Information Technology*

- Coursework: Computer Science Fundamentals, Web Systems and Technologies, Software Requirements, Design, Construction and Quality, Algorithms and Data Structures, IT Project Development and Management, Project Management, Database Design, and Object-Oriented Application Development.

## **Africa Leadership Experience (ALX)**

**Remote**

*Software Engineering*

- Engaged in problem-solving using coding. I used technologies like Python and the C programming language to build projects and solve data structures and algorithms.
- Engaged in several peer learning meetings where I explained concepts and provided technical guidance to other peers in solving and understanding problems.
- Reviewed the projects of other interns and gave them constructive feedback.
- Acquired key professional competencies such as project management, critical thinking, creative problem solving, interview techniques, communication, and collaboration skills.