
THEOPHILUS UCHECHUKWU

FULLSTACK SOFTWARE ENGINEER

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PROFESSIONAL SUMMARY

Accomplished Full Stack Engineer with over 6 years of experience specializing in modern web technologies. Expertise spans backend development with Node.js (6+ years), C# and .NET (4+ years), Django, and NestJs (2+ years), complemented by strong frontend skills in React.js, Next.js (4+ years), and Blazor WebAssembly. Proven track record delivering AI-powered platforms and complex systems leveraging microservices architecture with Docker, Kubernetes, and cloud technologies. Passionate about building scalable, resilient applications that deliver exceptional user experiences.

WORK HISTORY

Lead IT and Tech Tutor, 02/2025 - Current

CBEX - Lagos

- Building the main CBEX website with modern technologies and best practices for performance and user experience
- Designing comprehensive technical training curricula that transform beginners into proficient tech professionals
- Creating structured learning paths covering fundamentals through advanced concepts in programming and trading platform technology
- Developing project-based curriculum that builds real-world technical capabilities
- Implementing innovative teaching methodologies that make complex technical concepts accessible to novices

Fullstack Software Engineer, 09/2024 - Current

HITOAI | REMOTE (Ireland) - Ireland

- Developing **Selwell**, an AI-powered trading platform that connects with a trained trading bot, using Next.js 14 and Django REST with Flask API integration
- Building **Easmark**, an AI-powered educational platform that revolutionizes thesis grading and code assessment using Next.js, Django, TailwindCSS and PostgreSQL
- Engineered the HitoAI corporate website showcasing AI-powered educational solutions using Vite, React.js, TailwindCSS, Node.js and MongoDB
- Delivered the **Biasadra Website** for a leading AI Enterprise-Grade Academy connecting universities and businesses using Next.js and TailwindCSS
- Currently developing **SusNet**, an AI-enabled energy management platform offering intelligent insights and predictive analytics for greener living
- Working on **AI4Energy**, a platform utilizing AI to help fuel stations optimize pricing strategies through market trend analysis and predictive analytics

Backend Engineer, 11/2024 - 12/2024

ALX AFRICA - Lagos , Nigeria

- Collaborated in a two-person backend team to develop the **ALX Connect API**, a developer matching platform connecting programmers based on skills and experience
- Co-architected and implemented a RESTful API using Django REST Framework with comprehensive Swagger documentation
- Designed and implemented secure authentication and authorization systems using JWT tokens
- Built real-time communication capabilities using WebSockets for instant notifications and messaging
- Implemented mentorship connection features, CV review functionality, and profile management capabilities
- Configured SMTP email services for system notifications, verification, and user communications

ALX SOFTWARE ENGINEERING CERTIFICATION PROGRAM, 05/2023 - 08/2024

ALX_AFRICA - Lagos, Nigeria

- **INVENTORY MANAGEMENT API**: Implemented robust inventory system with .NET 8 and Blazor server following Clean Architecture pattern with CQRS and MediatR, containerized with Docker and deployed to AWS EC2
- **DOCTOR APPOINTMENT WEB APP**: Developed a fullstack application with React, TailwindCSS and Node.js backend implementing role-based authentication with JWT
- **AIRBNB CLONE**: Created a fullstack web app with HTML, CSS, JavaScript, Python, Flask, SQLAlchemy and MySQL with comprehensive unit tests and monitoring

Full Stack Software Developer, 02/2020 - 04/2023

FREELANCE & COLLABORATIVE PROJECTS - Nigeria

- Developed API middleware solutions including NIBBS BVN validation and IBPS integration services using .NET 6 with cryptographic security implementation
- Created diverse client applications spanning financial services, real estate, tournament management, and educational platforms
- Modernized legacy systems to contemporary architectures while implementing authentication, third-party integrations, and performance analytics
- Provided technical mentorship and training, specializing in .NET ecosystem and web development technologies

Full Stack Software Developer, 10/2019 - 11/2020

OCEAN OF EXCELLENCE COLLEGE - Enugu, Nigeria

- Developed comprehensive school management system with JWT authentication and role-based access
- Created intuitive interfaces for student/staff data administration and interactive communication
- Integrated Stripe payment processing for online fee collection with user training support

Full Stack Software Developer, 08/2018 - 06/2019

Benid Industries ltd - Ikare, Ondo State

- Developed and launched a comprehensive e-commerce platform for beverage and alcohol sales with integrated shopping cart functionality and Stripe payment processing
- Implemented a custom CRM system to manage customer relationships, analyze purchase patterns, and streamline complaint handling procedures
- Established CAPA (Corrective and Preventive Actions) processes to ensure continuous service improvement and customer satisfaction
- Managed full project lifecycle from planning to execution, ensuring technical and financial targets were met
- Trained staff and customers on platform usage, resulting in successful adoption and increased sales

EDUCATION

Bachelor of Engineering: ELectrical And Electronics Engineering, 11/2012 - 02/2018
Federal University of Technology Owerri - Nigeria - Second Class Upper

SKILLS

Programming Languages:

- JavaScript/TypeScript, Python, C#, C

Frontend:

- React.js, Next.js, Blazor WebAssembly, TailwindCSS, Bootstrap, Shadcn-UI, WordPress

Backend:

- Node.js, .NET Core, Django, NestJs, Fast api,

Database & Storage:

- PostgreSQL, MongoDB, MySQL, SQL, Firebase, Redis

DevOps & Cloud:

- Docker, Kubernetes, AWS, Microservices, CI/CD, RabbitMQ, GRPC

Tools & Others:

- Git, GitHub, Jira, Trello, Postman, Swagger, JWT Authentication

Professional Skills:

- Problem-solving, Client relationship management, Technical communication, Team collaboration
- Agile methodologies, Requirements analysis, Project leadership, Continuous learning

CERTIFICATIONS AND LICENSES

- ALX Certified Software Engineer (12-month bootcamp) | July 2024
- ALX Certified Data Scientist (in partnership with ExploreAI) | August 2024
- Google IT Support Certification (Coursera) | June 2024
- Google IT Automation with Python | October 2024
- Cisco Certified Network Associate (CCNA) | August 2024
- AI Careers Essential (ALX) | May 2024
- MTN Foundation Scholarship Award | December 2014