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# THEOPHILUS UCHECHUKWU

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## FULLSTACK SOFTWARE ENGINEER

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**Github:** <https://github.com/TheSoftNode>

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## PROFESSIONAL SUMMARY

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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.

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## WORK HISTORY

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**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

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## EDUCATION

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

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## SKILLS

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**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

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## CERTIFICATIONS AND LICENSES

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- 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