

CHINONSO IKEWELUGO

Fairfield, Iowa 52556 • +1-641-819-2203 • c.ikewelugo11@gmail.com
<https://www.linkedin.com/in/chinonsoike> • <https://github.com/Chinonsoike>

.NET SOFTWARE ENGINEER

Experienced .NET Software Engineer specializing in enterprise-scale architecture and cloud-native development with over 5 years of expertise in designing and implementing robust applications across Banking, Healthcare, and Consulting industries. Strong expertise in distributed systems using Apache Kafka, Redis, and modern cloud platforms such as Microsoft Azure and AWS to build resilient, high-performance systems. Proven track record in delivering scalable solutions that balance technical excellence with business objectives.

- SOLID Principles • Object-Oriented Programming (OOP) • Microservices Architecture • Domain-Driven Design (DDD)
- Performance Optimization & Scalability • Security Best Practices • Test-Driven Development (TDD)

Languages: C#, JavaScript/TypeScript

Web: HTML, CSS, React JS, Angular

Web Services: REST API

Web/App Servers: Apache, IIS

Frameworks: .NET, ASP.Net, Entity Framework Core

Databases: Microsoft SQL, MySQL, PostgreSQL

Design Patterns: Singleton, Mediator, Factory

SDLC: Agile, Scrum

Tools: Redis, Hangfire, Git, GitHub, Kibana SQL Server Management Studio (SSMS), MySQL Workbench, Docker

Platforms: Windows, Linux, AWS, Microsoft Azure

PROFESSIONAL EXPERIENCE

CAREER NOTE: Completed on-campus studies and currently taking distance education courses to complete a **Master's Degree in Computer Science** (Available for full-time, W-2 employment).

PRICEWATERHOUSECOOPERS, Lagos, Nigeria • 10/2023 – 11/2024

A multinational professional services brand of firms, operating as partnerships under the PwC brand.

Backend Engineer (Senior Associate)

Contributed extensively to the Enterprise Risk Management System, which served 6 companies across diverse industries in Nigeria.

- Implemented audit trail and multi-level approval using ASP.NET, Angular, IdentityServer, RabbitMQ, and Redis, improving transparency and security by 40%.
- Enhanced the Reporting Service by incorporating extensive data and actionable insights from related services, utilizing Hangfire for efficient scheduled task processing, resulting in improved clarity and decision-making for clients and stakeholders.
- Developed a reusable in-house NuGet package using ASP.NET for centralized use across multiple microservices, streamlining development workflows and reducing implementation time by approximately 30%.
- Refined the Risk Management Service by integrating Hangfire and RabbitMQ to streamline key risk indicator tracking, boosting risk mitigation effectiveness by 30%.
- Ensured reliable deployments to client environments across both on-premises infrastructure and cloud platforms like AWS and Azure, ensuring consistent configuration, high availability, and seamless delivery of production-ready applications.

Technologies Used: C#, .NET, ASP.NET, Angular, MS SQL Server, Hangfire, RabbitMQ, Azure App Services, Azure Virtual Machines, Azure Container Instances, AWS EC2, IIS, Entity Framework Core, Redis, IdentityServer, xUnit, Git.

AXXESS, Dallas, USA (Remote) • 01/2023 – 09/2023

Axxess is a home healthcare technology company that provides a complete suite of cloud-based software solutions.

Backend Engineer

Contributed comprehensively to user management and Central Access.

- Developed a secure proxy service enabling third-party integration with various Axxess solutions, leveraging IdentityServer for client authentication and authorization, enhancing security and data protection by 30%.
- Contributed to core features (Calendars, Schedules, Messaging) in the Central Dashboard by integrating Axxess solutions and user-specific data, improving customer experience by ~40%.
- Integrated chat support into the Central Dashboard leveraging SignalR for real-time messaging, providing clients access to immediate assistance and reducing support response time by 25%.

Technologies Used: C#, .NET, ASP.NET, Microsoft SQL Server, Entity Framework Core, SignalR, Redis, IdentityServer, xUnit, Git, REST API.

DECAGON, Lagos, Nigeria (Client: Polaris Bank Limited) • 07/2021 – 12/2022

Decagon is a software company that specializes in outsourcing and developing applications for clients.

Backend Engineer

Contributed extensively to the Digital Banking platform.

- Implemented a payday loan feature on the digital banking app, leveraging ASP.NET and React JS, and utilizing Hangfire for efficient background processing, enabling salaried account holders to access up to 50% of earned wages with ease and flexibility.
- Refined customer onboarding and account creation, leveraging IdentityServer for efficient user management and Redis to cache data across onboarding stages, improving the signup process by approximately 30%.
- Architected and engineered a loyalty system that rewards customers for transactions made on the digital banking app and via USSD, utilizing Apache Kafka for asynchronous communication, driving a 25% increase in retail customer transactions, as reported by the Digital Business team.
- Designed and delivered a Buy Now, Pay Later (BNPL) feature that provided customers with access to low-interest credit for online purchases, offering flexible repayment options. Leveraged Hangfire for automated scheduling of repayments and settlements, and integrated IdentityServer to securely manage third-party vendor interactions.

Technologies Used: C#.NET, ASP.NET, MS SQL, Apache Kafka, Entity Framework Core, Redis, Microsoft IdentityServer, Hangfire, AutoMapper, xUnit, Git, SQL Server, REST API.

TGR NIGERIA, Lagos, Nigeria • 10/2019 – 06/2021

TGR Ltd is a company focused on online airtime, data, and utilities sales and distribution.

Full Stack Engineer

- Developed a USSD feature for airtime and data purchase using ASP.NET and integrating a popular third party, to cater to customers without access to the internet, resulting in over 1000 USSD transactions per day.
- Integrated different service provider APIs for processing airtime, data, and utility payments, leveraging PHP Laravel, leading to less dependence on a single provider and 40% reduced downtimes.
- Implemented UI and functionality for automatically and manually switching between different service providers due to downtime or low account balances, utilizing CSS and jQuery, resulting in increased user retention and interaction with the platform by approximately 20%.
- Designed and implemented integration of a third-party payment provider using ASP.NET to enable the creation of virtual wallets and facilitate secure, efficient payment processing, enhancing overall user experience by streamlining transaction workflows and ensuring reliable financial operations.

Technologies Used: C#.NET, ASP.NET, Microsoft SQL Server, MySQL, PHP, Laravel, JavaScript, jQuery, CSS, HTML.

ACADEMIC PROJECTS

Maharishi International University (2025)

- **DigiBank:** Developed a scalable banking app using Java 21 and Spring Boot with microservices architecture. Integrated an AI service (Llama 3.2 via Spring AI and Ollama) to analyze transactions and deliver personalized financial insights, enhancing engagement and financial literacy.
- **BuyBuy:** Engineered the backend of a serverless eCommerce platform using Node.js, leveraging AWS Lambda for compute, S3 for asset storage, DynamoDB for scalable data management, and CodePipeline to automate CI/CD workflows—enabling seamless deployment and high availability.

PERSONAL PROJECTS

EskroAfrica (2024): Developed and deployed a cloud-native escrow marketplace using ASP.NET and a microservices architecture, enabling sellers to list products and buyers to make secure, escrow-held payments released upon delivery confirmation. Employed HTTP and Apache Kafka for robust inter-service communication, integrated Cloudinary for efficient product image management, and deployed the solution on Azure App Services to ensure scalability and high availability. The platform featured comprehensive marketplace functionality, escrow processing, and dispute resolution workflows.

EDUCATION

Master of Science in Computer Science

(In progress via distance education; expected completion 06/2027)

Maharishi International University, Fairfield, IA

Key Courses: Cloud Computing, Enterprise Architecture, Algorithms, Web Application Programming

Bachelor of Science in Microbiology

University of Jos, Nigeria (11/2018)