REGINALD OZOUGWU

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Senior .NET Developer | Full-Stack Engineer | Cloud Engineer

I am an efficient and results-driven Senior .NET Engineer with over 8 years' experience designing, developing, and deploying scalable, event-driven, and cloud-native applications across finance, trading, risk management, and e-commerce sectors. Expert in C#, .NET Core, Azure, and microservices architecture, with a strong focus on performance optimisation, system resilience, and CI/CD automation. Adept at leading cross-functional teams to deliver secure, high-availability platforms that drive business value. Recognised for transforming monolithic systems into containerised microservices, improving scalability by 40% and enabling £20M+ revenue growth in the first quarter post-deployment.

CORE SKILLS & TECHNOLOGIES

- **Programming & Development:** C#, ASP.NET Core, EF Core, Kafka, SignalR, RabbitMQ, RESTful APIs, SOLID, OOP
- **Front-End:** Angular, TypeScript, HTML5, CSS3, Bootstrap, jQuery, MVC, JavaScript
- Cloud (Azure): App Services, Azure Functions, Cosmos DB, Azure SQL, API Management, Event Grid, Event Hubs, Key Vault, Storage, Monitor, Application Insights, App Gateway, Azure DNS
- AWS: EC2, S3, RDS, Lambda, EKS, ECR
- **DevOps:** Azure DevOps (YAML pipelines), GitHub Actions, Jenkins, Docker, Kubernetes, Terraform, CI/CD Automation
- **Architecture & Design:** Microservices, DDD, Event-Driven Systems, API Gateway, CQRS, Circuit Breaker
- **Monitoring & Security:** DataDog, Application Insights, JWT Authentication, Secure Payment Systems
- Collaboration: GitHub, Bitbucket, Agile (Scrum & Kanban), TortoiseSVN

WORK EXPERIENCE

Lead .NET Developer
Bivisoft Limited, London, United Kingdom | Jan 2024 – Present

- Architected and implemented **cloud-native, event-driven solutions** using .NET Core, Azure Functions, Event Grid, Cosmos DB, and API Management, optimising throughput and latency across trading platforms.
- Built **containerised microservices** on Azure Kubernetes Service (AKS), achieving 99.98% uptime and 30% faster response times.
- Designed and secured APIs with Azure API Management, enabling policy enforcement, throttling, and versioning to meet enterprise compliance.
- Automated build and release pipelines using **Azure DevOps (YAML)**, reducing deployment time by 70% and improving release frequency.
- Implemented **real-time monitoring and diagnostics** using Application Insights and Azure Monitor, improving incident resolution time by 45%.
- Collaborated with product owners, DevOps engineers, and analysts to deliver high-performance trading tools, contributing to a **£20M revenue increase in Q1 2024**.
- Migrated legacy applications to **containerised microservices**, reducing operational costs by 25% and enhancing scalability.

Senior .Net Developer/Software Engineer
SDSD Prestige LTD, London, United Kingdom | Dec 2021 – Nov 2023

- Developed cloud-native logistics and trading systems with .NET Core, Angular, and PostgreSQL hosted on Azure
- Designed RESTful APIs integrated with Azure Service Bus and Event Hubs.
- Migrated core services to Azure Cloud using Cosmos DB, Azure SQL, and Azure Storage.
- Implemented Domain-Driven Design reducing service coupling by 40%.
- Conducted code reviews ensuring SOLID principles adherence.
- Added telemetry with Application Insights, reducing incident time by 35%.
- Improved release frequency and stability via Azure DevOps pipelines.

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Full-stack Developer
Sterling Bank | Feb 2016 – Dec 2021

- Designed and maintained web apps using Angular, ASP.NET Core, and **Azure services** (App Services, Blob Storage, SQL, Key Vault, API Management, Cosmos DB).
- Implemented **secure transaction workflows** with **RabbitMQ**, **SignalR**, and **Azure Event Grid**, ensuring real-time updates across distributed systems.
- Containerized .NET applications with Docker and deployed them to **Azure Kubernetes Service (AKS)** and AWS EC2, enhancing system uptime.
- Managed event-driven workflows using **Azure Functions** and **Event Grid**, ensuring seamless cross-system integrations.
- Worked on API security, authentication, and authorization using JWT and **Azure Key Vault**.
- Conducted system logging and telemetry tracking using **Application Insights** and Azure's built-in logging stack.
- Designed and developed RESTful APIs, enabling seamless communication between banking and financial systems.
- Participated in Agile development cycles, including daily stand-ups, sprint planning, and collaborative problem-solving.
- Worked closely with QA teams to identify and resolve software issues, ensuring high-quality software delivery.

KEY PROJECTS

- **E-Commerce Real-Time Messaging System** – Developed an advanced event-driven real-time message broker using SignalR, Hangfire, and JWT authentication, ensuring secure and efficient data communication.
- **Intelligent Patient Appointment System** – Designed a healthcare appointment scheduling system using ASP.NET Core and Python, improving patient engagement and reducing wait times.
- **MAM (Management System)** – Developed an asset and fleet management platform used by international shipping companies.
- **Sterling Bank Consumer Loan Platform** – Created a secure online lending system leveraging ASP.NET, ANgular, SQL Server, and AWS Cognito for authentication.
- **Sterling Bank Card Payment Gateway** – Engineered an integrated payment gateway using microservices architecture, RabbitMQ, Kafka, and Azure Pipelines, ensuring seamless transaction processing.

EDUCATION & CERTIFICATION

- **M.Sc. Computer Science** | York St. John University, London | *2024*
- **B.Tech. Mathematics & Computer Science** | Federal University of Technology, Owerri, Nigeria | *2015*

Certifications & Licenses

- **Microsoft Certified: Azure Fundamentals (AZ-900) – In view**
- **Professional Software Engineering Master Certification (PSEMC)** – Codebits Academy
- **Web Application Developer Associate 10.3** – Udemy | *Issued Jun 2019* | [Credential ID: UC-YHA0LBGA]
- **Mobile App Development Certification** – Udemy
- **Strategic Management Certification** – Open2Study, Australia

AWARDS & RECOGNITION

- **Outstanding Software Engineer Award** – Recognized for delivering high-quality solutions and demonstrating **technical excellence** in software development – Sterling Bank Nigeria.
- **Innovation Excellence Award** – Awarded for **pioneering new technologies and optimizing system performance** through innovative software solutions. – SDSD Prestige Ltd