Amalachukwu Azubike – *FullStack Engineer*

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PROFESSIONAL SUMMARY

Software Engineer with over 5 years of experience building secure, scalable, and distributed web applications. Skilled in .NET Core, Node.js, Angular, and modern JavaScript frameworks like React and Vue. Experienced in designing microservices architecture and developing multi-threaded applications using RabbitMQ and REST APIs. Strong background in containerization (Docker, Kubernetes), hybrid cloud environments (Azure, Firebase), and database systems (PostgreSQL, SQL Server, Oracle). Proficient in Agile/SCRUM methodologies, CI/CD pipelines, and test-driven development. Adept at integrating industrial protocols and troubleshooting across Windows Server and RHEL environments.

CORE COMPETENCIES & SKILLS

- **Languages:** JavaScript, TypeScript, C#, Python, SQL
- **Frontend:** Angular 12+, Vue.js, React, HTML5, CSS3, Tailwind CSS
- **Backend:** Node.js, Express, .NET Core, Multi-threaded Applications
- **Databases:** PostgreSQL, SQL Server, Oracle, MongoDB
- **Messaging & Protocols:** RabbitMQ, TCP/IP, OPC, PLC, MQTT
- **DevOps & CI/CD:** Git, GitHub Actions, Azure DevOps, GitLab CI, Docker, Kubernetes, EKS, ECS
- **Cloud:** Azure, Firebase (Hybrid Public/Private), Windows Server, RHEL
- **Testing & QA:** xUnit, JMeter, Selenium, Postman, TDD
- **Design Patterns:** MVC, MVVM, MVP, Dependency Injection
- **Other:** Agile/SCRUM, REST APIs, Microservices Architecture, Industrial Systems.

PROFESSIONAL EXPERIENCE

Frontend Developer Intern, WHTA, Remote   **March 2025 - Present**

- Built and extended frontend components in Vue.js and React, aligned with UI/UX patterns
- Contributed to refactoring monolith to microservices architecture using Docker and .NET Core
- Implemented unit and integration tests using Postman**,** JMeter, and Jest
- Worked with GitHub Actions to automate CI/CD pipelines
- Participated in SCRUM refinements, grooming user stories for predictive maintenance features
- Designed and optimized RESTful and message-based services integrating RabbitMQ
- Collaborated with backend and DevOps teams to support deployment across Azure/Firebase

Verification Specialist, Bill Gosling Outsourcing, London, ON   **March 2022 - September 2024**
- Contributed to production support and root cause analysis of customer-facing platforms.
- Implemented frontend optimizations that improved response time by 40%.
- Documented functional requirements and contributed to system feasibility discussions.
- Assisted with automation using Postman scripts and Selenium regression tests.

Application Security Analyst, ZionShine ICT Hub   **January 2021 - January 2022**
- Conducted vulnerability scans using OWASP principles and mitigated identified threats.
- Collaborated on AAA policy design and architectural reviews to enhance application security.
- Participated in shift-left testing cycles to identify risks early in the SDLC.
- Recommended improvements that led to a 25% reduction in incident re-occurrence.

- Performed test-driven development on secure, distributed systems for healthcare applications
- Debugged APIs and client-server communication using TCP/IP and browser dev tools
- Designed tests for cloud-based apps built in .NET 6 and Vue.js, with PostgreSQL
- Utilized CI tools and Git versioning for source control.

IT Support Analyst, ZionShine ICT Hub   **September 2017 - December 2020**

- Provided daily operational support and executed root cause investigations.
- Helped migrate applications to Azure cloud using Dockerized services.
- Contributed to disaster recovery and business continuity plans.
- Assisted developers in understanding feasibility of new feature requests.
- Collaborated with DevOps teams to integrate GitHub Actions into CI/CD pipelines for enterprise deployment
- Designed PostgreSQL and MS SQL Server schemas to support distributed applications

Desktop Support, MediaSoft Technologies   **December 2015 - December 2017**

- Installed and supported software upgrades and provided frontline troubleshooting.
- Documented operating procedures and conducted data backup validations.
- Contributed to migration of existing monolith to microservices using .NET Core and Docker containers

EDUCATION

Diploma, Conestoga College, ON CA   September 2024 – April 2025
CGPA: 3.86,

<u>Computer Application Development</u>
- Capstone focus: SaaS development, secure systems, cloud deployment.

Diploma, Lighthouse Lab, ON CA   July 2023 – September 2023
<u>Cybersecurity</u>

Bsc, University of Nigeria, Nigeria   September 2011 - August 2015
<u>Microbiology</u>

PROFESSIONAL CERTIFICATIONS

- CompTIA Sec+ (code: 56RJ8QH6DJBQ1QSG) - December 2023
- Certified in Cybersecurity from ISC2 (1496107) - June 2023
- CSTE – Certified Software Tester (In View, 2025)

RELEVANT PROJECTS

1. Healthy Eating App *(React + Django + PostgreSQL)*

- Built cloud-native SaaS meal planner with CSV export, OpenAI chatbot, and multi-role auth.
- Implemented CI/CD via Docker + Render, conducted root cause and functional testing.

2. SEOOptimizer Pro *(Node.js + MongoDB + Firebase)*

- Scalable SEO auditing tool using asynchronous RabbitMQ and user analytics dashboard.

- Integrated secure APIs and public cloud deployment using Firebase and Render.

3. Movie App *(React + Firebase)*

- Developed component-based UI with Google Auth, Tailwind, Bootstrap, and TMDb API.

4. Customer App *(ASP.NET + MS SQL Server)*

- Developed CRUD operations with xUnit test coverage and Postman API validation.
- Extended the backend with .NET 6 microservices, implemented CI/CD with GitHub Actions, and configured RabbitMQ and Kafka messaging for asynchronous workflows.

5. Playwright Test Suite *(Jest + Playwright)*

- Simulated user behavior across 10 scenarios; generated trace logs and debug outputs.

6. Firebase Car Tracker *(Vue.js + Firebase)*

- Real-time vehicle tracker with Google Maps API and multi-auth (Email + Google Sign-In).

SOFT SKILLS

- Prioritizing and planning deliverables under pressure.
- Troubleshooting, root cause analysis, and problem resolution.
- Functional communication across cross-functional teams.
- Conducting technical research and feasibility analysis.
- Agile collaboration and documenting technical solutions.

PROJECT HIGHLIGHT

- **Distributed Cloud System:** Designed a hybrid-cloud web app using Node.js, Docker, and RabbitMQ for asynchronous messaging; scaled using Kubernetes (EKS)
- **Industrial Integration Simulation:** Created simulation scripts for Modbus and PLC protocol testing in a lab setting
- **CI/CD Pipeline Ownership:** Integrated GitHub Actions for test automation and Docker image builds in an Agile DevOps workflow
- **Oracle Collaboration**: Worked alongside DBAs to structure relational schema and stored procedures in Oracle and SQL Server environments