SAMUEL BANKOLE

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.NET DEVELOPER

Experienced software engineer with over 4 years of professional experience in healthcare and large-scale eCommerce industries, developing and optimizing enterprise applications in fast-paced, high-demand environments. Skilled in system architecture, migration, and optimization, ensuring scalable and high-performance solutions. Strong expertise in backend development with C#, .NET, and MS SQL, alongside frontend proficiency in TypeScript, React, and Aurelia. Adept at collaborating across teams and driving projects from concept to deployment while maintaining code quality and performance efficiency.

• SOLID Principles • Data Structures • Object Oriented Programming (OOP) • Security • Code Version Control • Problem Solving • Test-Driven Development • Containerization • DevOps • Performance Optimization

Languages: C#, TypeScript, JavaScript
Web: HTML5, CSS3, Bootstrap, jQuery, Tailwind
Web Services: REST, SOAP, Azure API Management, Netlify
Web/App Servers: Internet Information Services (IIS), Kestrel, Nginx
Frameworks: .NET, .NET Core, React, Aurelia, Angular
Databases: MS SQL, MYSQL, Postgres
Design Patterns: Singleton, Mediator pattern, Factory pattern, Microservices
SDLC: Agile, Kanban
Tools: Dot net Cli, Visual Studio, Nuget, GIT, TFS, Github, Bit bucket, Docker, Postman, Swagger, kubernetes, xUnit, JUnit, Teams, Slack
Platforms: Windows, AWS (EC2, S3 Bucket, CloudFront, Lambda, API Gateway)

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).*

CAVISTA (AXXESS) TECHNOLOGY, Dallas, USA • 05/2023 – 07/2024
A leading technology company that provides software solutions for the healthcare industry.

Software Engineer (Remote)
Manage and maintain the 24-hour functioning of the Axxess Hospice solution.
- Rebuilt the chat system for the Hospice patient web application using SignalR and SignalR Client, enabling real-time communication between agents and patients, which improved client response time by 25%.
- Refactored the Hospice DNR (Do Not Resuscitate), DNI (Do Not Intubate), and Full Code policies using C#, ensuring compliance with HIPAA standards on health data privacy and management.
- Optimized patient treatment records for the Hospice application using SQL and Entity Framework Core, implementing stored procedures to reduce query execution time by 60%.
- Built an interactive End-of-Life Cycle activity data display for Hospice agents using Chart.js, providing a user-friendly, graphical representation of patient data for nurses and caregivers.
- Leveraged Docker for deploying a new internal communication application on Azure, streamlining the deployment process and improving efficiency compared to manual environment setup.
- Refactored and documented the external integration of the Home-Health application with the company's Hospice system, developing a global library to standardize integration and simplify access for other team members.

Technologies Used: *C#, .Net, SignalR, SignalR client, EF Core, SQL, Aurelia, MS SQL, MS Server, Typescript, Azure, Chart.js, Docker, Postman, Swagger.*

NEWBANGER DIGITALS, Lagos, Nigeria • 04/2020 – 05/2023
Newbanger specializes in developing scalable and high-performance solutions for large eCommerce businesses.

Software Engineer
Built inhouse solution for large chain of eCommerce business in Nigeria and across Africa.
- Developed an in-house quick customer response system, collaborating with designers to replace manual response processes, resulting in reduced staffing needs and improved efficiency.
- Restructured the POS database to enable quarterly record refresh without downtime, ensuring continuous service availability and uninterrupted transactions.

- Redesigned secret APIs to be masked by Azure Functions, enhancing security and preventing direct record access.
- Architected a high-performance POS API endpoint using MS SQL Master Write-Only and Read-Only tables, ensuring efficient data calls and preventing read/write locks, supporting over 40,000 transactions per second.
- Refactored the Customer Case Management application, redesigning the UI with React, TypeScript, and Axios, making it more user-friendly and increasing case resolution efficiency by 60% without developer intervention.
- Implemented an end-to-end user-friendly interface, API integration, and frontend testing for Newbanger Music's digital platform using React.js, Axios, and Jest, leading to 35% client retention and increased revenue by enabling targeted promotions for artists.

Technologies Used: *JavaScript, Axios, React-route-dom, Reactjs, C#, Dotnet, Azure, Docker, MS SQL, SQL, EF core, Typescript, Jest, Postman*

INTERNSHIP EXPERIENCE

Petrong, Lagos, Nigeria • 08/2018 – 04/2019
A company that develops and manage solution for managing financial processes of cooperative system in Lagos, Nigeria.

Software Engineer
Build and maintain applications.
- Designed and built a remotely controlled inverter system with JavaScript and React, improving accessibility and providing users with real-time control, leading to a 20% increase in system efficiency.
- Integrated and consumed RESTful APIs for data fetching, processing, and display, optimizing real-time data handling and improving UI responsiveness.
- Managed and optimized application data using MS SQL, implementing query optimizations, indexing, and stored procedures, leading to a 40% improvement in database performance.
- Utilized Git and GitHub for version control, code collaboration, and deployment, enforcing best practices like code reviews and CI/CD integration, which streamlined development workflows.
- Deployed and maintained applications across various environments using Qserver control panel ensuring seamless production releases with zero downtime.

Technologies Used: *HTML, CSS, Bootstrap, Javascript, PHP, MySQL.*

ACADEMIC PROJECTS

Maharishi International University (2024)
- **Intelligent Teacher feedback system:** Developed an AI-powered feedback system using OpenAI's models to analyze exams and generate personalized study resources. Built with Angular, TypeScript, Tailwind CSS, Node, Express, and MongoDB, featuring secure authentication and role-based dashboards for students and professors.

- **Students Policy portal:** Developed a policy submission and voting platform for students using Node.js, Express, MongoDB, Angular, and Tailwind CSS. Enabled real-time voting, RBAC, and secure authentication with JWT, ensuring scalability with AWS services.

PERSONAL PROJECTS

Street Soccer 2024: Developed a platform for team formation, tournaments, and player tracking. Automated fair team selection, match scheduling, and real-time updates via WebSockets. Built with React.js, Tailwind CSS, Node.js, Express, and MongoDB, integrating Google Maps API and secure JWT authentication.

EDUCATION

Master of Science in Computer Science
(In progress via distance education; expected completion 04/2027)
Maharishi International University, Fairfield, Iowa
Key Courses: Web Programming, Modern Web Applications, Cloud Computing, Algorithms

Bachelor of Science in Electronic and Electrical Engineering
Obafemi Awolowo University, Osun, Nigeria (02/2020)

CERTIFICATIONS

[Applied Data Science II: Machine Learning & Statistical Analysis](#) (06/2021)
[Applied Data Science I: Scientific Computing & Python](#) (06/2020)