Obed Asante

Full Stack .NET Developer

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Edmonton, Alberta

PROFESSIONAL SUMMARY

- Motivated, proactive and hands-on Web Developer with 10+ years of experience developing and maintaining both **on-premises** and **cloud-based** applications
- Expert in developing web applications using **.Net, .Net Core**, **Visual Studio, ASP.NET, ASP.NET Core, Entity Framework, Entity Framework Core, Enterprise Library, LINQ, MVC, C#, VB.NET, REST, XML, ADO.NET, SOAP, Web Services, AJAX Control Tool Kit, XML, Internet Information Server (IIS)** and **XSLT**
- Skilled in developing relational database applications using **MS SQL** and tools and objects within it such as **SQL Server Integrated Services (SSIS), SQL Server Reporting Services (SSRS)** and **Data Transformation Services (DTS), Constraints, Indexes, Views, Stored Procedures and User Defined Functions**
- Experienced in coordinating and providing support within a team environment with problem solving and strong analytical skills

WORK EXPERIENCE

.NET DEVELOPER   *Oct 2023 – Present*
FREELANCE

- **Developed and maintained** scalable web applications using **ASP.NET Core**, **C#**, and **SQL Server** for multiple clients, improving user experience and functionality.
- **Built and deployed** custom web solutions for clients in **e-commerce**, **healthcare**, and **finance**, resulting in **increased efficiency** and **higher user engagement**.
- **Integrated third-party APIs** (e.g., payment systems, social media, and data providers) to enhance app functionality and improve customer experiences.
- **Worked with clients** to understand business requirements and develop custom software solutions, ensuring timely delivery and exceeding expectations.
- **Optimized database queries** and implemented **data caching** to reduce load times and increase app performance.
- **Collaborated with cross-functional teams**, including designers and project managers, to deliver projects on time and within budget.
- **Implemented security best practices** such as encryption, authentication, and authorization in web apps, ensuring data protection and compliance.
- **Utilized Azure** for deploying and hosting web apps, leveraging services like **Azure App Services** and **Azure SQL**.
- Created RESTful APIs and microservices, improving the scalability and maintainability of applications.

SENIOR MANAGER, INFORMATION SYSTEMS (APPS DEVELOPER)   *Jan. 2018 – Oct. 2023*
STUDENTS LOAN TRUST FUND – ACCRA, GHANA

- Led the development of internal business applications using .NET, .NET Core, HTML, Javascript and its frameworks, ExtJS and and MS SQL
- Created the project structure for the in-house applications developed. Most of the projects followed the MVC approach

- Created separate projects in a solution during new projects. There was a project for the main API or Presentation, Business Logic, Repository for data access, Data Transfer Objects (DTO) and a Utililty/Common project. This made maintenace of the project easy for all team members
- Made extensive use of Dependency Injection in accessing methods from different classes
- Handled logging in applications
- Used the ORM tools EntityFramework and Entity Framework Core for data access in applications
- Adopted scafolding in updating .NET Core application models using the database first approach
- Developed the Students Loan Information System using C# .NET, MSSQL, ExtJS. This project also made extensive use of stored procedures in retrieving large volumes of data and strictly followed the Object Oriented Principles. It is currently used to manage data for over **300,000 students** across the country
- Developed about **6 different APIs** using .NET Core to integrate with different institutions such as Social Security and National Insurance Trust (SSNIT), PayAngel, GhanaPay, Agricultural Development Bank, Ghana.gov
- Developed the Students Loan Application System, leading to **doubling the number** of the student loan applicants and also increased loan repayment by about **40% within a year** of its launch
- Supervised the development of the mobile version of the Students Loan Application System using Flutter which has been published on Google Play Store and Apps Store as SLTF Mobile
- Implemented CORS in web APIs
- Used Object Oriented Programming (OOP) and its SOLID principles in designing applications
- Supervized the development of the Trust Fund's website. The new look of the website increased the visibility of the Fund among tertiary students within the country
- Reviewed codes of subordinates
- Managed codes on bitbucket using Microsoft Visual Studio and Source Tree
- Deployed .NET applications to Internet Information Services (IIS)
- Created **Job Schedulers** for recurring processes such as daily interest computation using Hangfire
- Managed the Trust Fund's SQL by installing, managing and creating users for both individual users and applications and assigning the neccessary permissions and roles
- Created Databases and their corresponding objects such as Tables, Stored Procedures, Views, Relationships, Constraints etc.
- Created SQL Jobs for running recurring SQL processes such as backing up of databases daily
- Implemented Imperva as Application and Database firewalls
- Implemented IDERA and RedGate for monitoring and auditing of Databases
- Implemented Stackify Retrace to monitor applications to check unhandled errors being thrown

SOFTWARE DEVELOPER/ CONSULTANT *May 2012 – Dec 2017*
RHEMA SYSTEMS & ASSOCIATES LTD – ACCRA, GHANA
- Involved in the Requirement gathering and all aspects of the Software Development Life Cycle for new applications to be developed
- Created a Dashboard application for the Mistry of Environment, Science and Technology using C#, ASP.NET, ADO.NET, MVC, Web Forms, ReactJS, Google charts and MS SQL.
- Converted a Payroll application from Oracle forms to an ASP.NET Web Application currently being used by CAL Bank and Price Waterhouse Coopers Ghana to run payroll for a number of organizations
- Developed an in-house POS system by building a REST API with C#, .NET and a front-end with HTML, bootstrap and Javascript currently being used by Tigo Ghana and Senegal
- Developed reports in applications using Crystal reports and Microsoft reports
- Prepared implementation environment by installing and configuring SQL on the database server and pointing the application to it
- Installed IIS and corresponding depencies needed for newly deployed applications to function
- Created and Consumed XML Web services

- Implemented and supported Microsoft Dynamics Retail Management System (RMS) in Tigo Ghana, Chad, Senegal, DRC and Rwanda
- Developed add-ons on RMS using Windows Forms with VB6 and Visual Basic.NET
- Developed a VB.Net application to move sales data from RMS to Sun Accounting System
- Developed a .Net application for inter store inventory transfer instead of using the feature that came with RMS
- Integrated RMS with the SIM activation system by consuming XML Web Services via SOAP
- Handled end user support
- Trained end users on newly implemented applications
- Created user manuals

EDUCATION
- MSc. Information Technology, Sikkim Manipal Unversity, India
- BSc. Computer Science, Kwame Nkrumah University of Science and Technology, Ghana

PROFESSIONAL CREDENTIALS
- LinkedIn Skill Assessment – C#, 19/06/2022
- LinkedIn Skill Assessment – T-SQL, 19/07/2022
- Microsoft SQL Server 2008 – Implementation and Maintenance, 13/11/2015

SKILLS
- .Net, .Net Core, C#, Vb.Net, VB6, ASP.NET, ADO.NET, LINQ, Entity Framework, Entity Framework Core, JavaScript, ReactJS, VueJS, Blazor, Angular, MudBlazor, ExtJS, AJAX, Jquery, HTML, CSS
- Client/Server, N-Tier Architecure, Design Patterns, Software Development Lifecyce
- Console applications, Windows applications using Windows Forms and WPF, ASP.NET Web Forms, ASP.NET State Management, ASP.NET Caching and Securing ASP.NET applications
- API security using JWT, OAuth and API Keys
- Data Access Layer (DAL) using ADO.NET objects like Data Adapter, Data Reader, Dataset, Data Table and Repeater
- Azure Cloud Services (PaaS & IaaS), Storage, Web Apps, Active Directory, Application Insights, Logic Apps, Data Factory, Service Bus, Traffic Manager, Azure Monitoring, OMS, Key Vault, Visual Studio Online (VSO), Cognitive Services (LUIS) and SQL Azure
- Object Oriented Principles, SOLID Principles
- Databases: MS SQL (T-SQL, Stored Procedures, Triggers, Jobs, SQL functions, SQL Profiler)
- Version Control: Bit Bucket, GitHub, Github desktop, SourceTree, Visual Studio
- Text Editor: Notepad++, Visual Studio Code
- Testing: Debugging, Postman, Swagger, Unit Tests with nUnit, xUnit and MS Test
- Reporting Tools: Microsoft RDLC, Crystal Reports
- Project Management: Trello, Version One, Jira, Team Foundation Server (TFS)
- Excellent interpersonal and communication skills
- Sold analytical, problem-solving and decision making skills
- Leadership skills