TAWANDA FOHLO

Software Developer

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Seasoned, forward-looking Software Developer with 5+ year's background in creating and executing innovative software solutions to enhance business productivity, Highly experienced in all aspects of the software development lifecycle and end-to-end project management from concept through to development and delivery. Consistently recognised as a hands-on and competent developer, skilled at coordinating cross-functional teams in a fast-paced, deadline-driven environment to steer timely project completion with budgetary constraints.

TECHNICAL SKILLS

- C# | Xamarin | .NET | ASP.NET Core | ASP.NET MVC | Restful APIs | ASP.NET Web APIs | Java | JavaScript | Python | PHP
- Oracle | SAP | MySQL | PostgreSQL |MongoDB | MariaDB | SQLite | Cosmos DB | MS SQL Server | NoSQL | HTML |CSS | Arduino
- C++ | C | Node | Vue | Git | .NET Multi-platform App UI| .NET Desktop Apps | Web and Mobile App Development |AWS
- Azure | SAP Connected Apps | Cloud Computing | CI/CD | Jest | SAP Business One | Unit Testing | OOP | Web and Restful Services
- SAP ABAP | SAP S3 & S4 HANA | SAP Analytics Cloud | SAP BW Tool | SAP Versions | ABAP Programming | SAP Connected Apps
- Microservices | Distributed Systems | Frontend | Backend | Full-Stack | English, Shona – *All professional proficiency or above*

WORK EXPERIENCE

Role	Company	Project	Period
Software Engineer	Analytics Group	South Africa	2022 - Present

- Led the design and development of multiple enterprise-level mobile and web applications of a Production Module, driving $2.4 million of revenue every year using the latest technologies of C#, Azure, .NET, Xamarin, Azure Functions and Restful Services.
- Perform code review and single point of contact for all Web and Mobile Apps developments.
- Keep abreast of .Net releases, enhancements/new functionality and perform application research
- Provide expertise, hardware/software problem solving and end user support towards the operation of business application systems
- Support production configuration and assist in functional change requests
- Assist initial testing of problem fixes, change request, enhancements, and new functionality
- Designed and implemented scalable APIs and background workers for managing first- and third-party proprietary licenses using ASP.NET Core, ASP.NET MVC, and other Azure cloud technologies that serve hundreds of license requests daily.
- Led the development of several products E2E, from identifying system requirements and partner dependencies to workload balancing, software implementation, engineering, testing, and configuring metrics, alarms, monitors, and dashboards.
- Led the design and development of production systems specifically batch production which increased the production speed and manufacturing of number of products produced at regular intervals and stocked awaiting sales by 24%.
- Continuous Integration/Deployment Pipeline Integration, pull requests, code reviews, load/stress testing, unit/integration/e2e testing
- Updated and managed existing products and provides beneficial technical support to clients and colleagues.
- Designed and developed Mobile App for both front and back end using JavaScript, React and Restful Web API which communicated with Clients to provide knowledge, expertise and support. It increased client satisfaction from 82% to 97%.
- Developed Integration of mobile application with backend web services which provide login/logout authentication services, account data, transaction data, internal and external transfers.
- Awarded Employee of the Month twice for performing great work.

Senior Software Developer	Devoted Business Solutions	Proplastics Limited	2021- Present

- Supervised and lead the development of a robust upgrade version of the Client's company software applications, resulting in improved user experience and 34% revenue increase within 7 months.
- Proficiently troubleshoot application technological issues for different assigned projects, achieving over 87% customer satisfaction rate.
- Enhanced the application's features to effectively fix the bugs and optimize the overall performance, reliability and efficiency.
- Utilized the software engineering expertise to develop products throughout the software lifecycle to boost business efficiency from ideation and requirements definition through to development and successful deployment.
- Managing the Azure CI/CD pipelines, DevOps, dev, testing, staging and live environments.
- Assisting and mentoring other developers with ASP.Net and MsSQL.
- Interfacing with subject matter experts to develop some modules using the Agile Methodology.
- Developing a security module for user authentication which can act as a stand-alone or interface with Active Directory depending on the requirements of the client.
- Developing a calculation engine to convert a formula taking values from a trial balance and generating a dashboard to be used by the risk management section of treasury.
- Developing a module for the creation of a global trial balance for the bank according to regulatory requirements and use the trial balance for generation of dashboard tiles and regulatory reports.

Software Developer	Devoted Business Solutions	BETA Holdings	2021- 2022

- Led the development of a Production, Plant and Maintenance and SHEQ desktop App using C#, .NET Multi-platform App UI, Xamarin, ASP.NET, SQL server which increased efficiency, productivity by 37% and improved worker safety by 40%.
- Led the design and development of RESTful APIs to allow users to submit information by storing data in SAP B1 and MongoDB.
- Developed customer-specific production design framework patterns reducing site production by 3 hours per day.
- Built an integration API point that connected Plants and machinery APIs, SAP B1 and third-party desktop app to lower cost per unit.
- Utilized WCF mitigating threats such as information disclosure, malicious code execution, denial of service, etc. within the web applications achieving a 45% increase in security.
- Redesigned a software system taking into consideration system scalability, performance, and security-enhancing performance by 60%. Experience with team development tools such as GIT and UML and other tools for documentation.

Software Developer	Devoted Business Solutions	Zimbabwe Newspapers Limited	2020- 2021

- Supervised and lead the development of a robust upgrade version of the Client's company software applications, resulting in improved user experience and 34% revenue increase within 7 months.
- Supervised and led the analysis of customer requirements, evolution and enablement of the latest SAP BW Tool
- Proficiently troubleshoot application technological issues for different assigned projects, achieving over 87% customer satisfaction rate.
- Enhanced the application's features to effectively fix the bugs and optimize the overall performance, reliability and efficiency.
- Utilized the software engineering expertise to develop products throughout the software lifecycle to boost business efficiency from ideation and requirements definition through to development and successful deployment.
- Develop, test, and document SAP Reports, Interfaces, Conversions, Enhancements, Forms, and Workflows
- Perform integration tasks for in-house developed systems and/or purchased hardware and software solutions
- Working closely with the SAP Basis team to monitor, test and tune application components for optimized performance and integration
- Recognize the critical elements of complex application problems, develop and evaluate data, determine solutions, and make logical recommendations
- Designing and implementing processes, or process improvements, to aid in development and support
- Work with the team to develop and test functionality that meets documented design

Software Developer	Devoted Business Solutions	St Anne's Hospital	2019- 2020

- Led the design and development of mobile App, which nurses used to update their daily tasks remotely during the times of COVID-19.
- Developed a desktop app which was used in the kitchen to prepare meals buy patients in mainly Covid-19 and other different wards.

- Developed parallel processes to provide security & assured communication improving workflow by 55%.
- Adapted legacy systems in order to conform with current programming methodologies enhancing system integration & increasing profits by 8%.
- Analyzed current portal application providing thorough reports including estimation time in order to fix defects which have increased customer satisfaction by 50%.

Full-Stack Developer	TelOne Zimbabwe	My Telone	2017- 2019

Development of a mobile and web banking platform targeting low-income clients. My main duties and responsibilities included:
- Ensuring code quality.
- Developing of the mobile backend using C#. The backend ran scheduled jobs for monthly billing and notifications.
- Integration of the backend with Nedbank's platform.
- Completing KYC automatically by integrating with NameScan.
- Integration with VAS for the purchase of airtime, electricity tokens, bus tickets, etc.
- Developing a mobile banking app using Xamarin.
- Developing a web-based banking platform for clients with Angular.
- Developing a dashboard to be used by program owners on the banking platform.

Full-Stack Developer	TPZ	Tobacco Auction Floors	2017- 2019

- Used ASP.NET, C#, HTML, CSS and JavaScript to design and develop new sites web-based solutions, both front end and back end.
- Extending the WFC application to print the bale's information on a special paper to be used to identify the bale using a barcode
- Created an API backend integrated with SAP B1 which manages grower bookings, recording the delivered bales, finalising sales after grading and pricing, and generating a grower's sales sheet at the end of a sale.
- Integrating with the regulator's API for reporting daily bookings and sales.
- Producing a grower's sales sheet for each sale. The sales sheet contains information on the individual bales, the total sold, statutory deductions and taxes - which would then be reported to the respective statutory bodies.

AERAS OF EXPERTISE

Software development Software testing Software Architecture Mobile Development

Scrum & Agile Methodologies Project Management FrontEnd & BackEnd Web Development

Desktop Applications Development Proficient Troubleshooting

EDUCATION

- Bindura University: Bachelor of Science Honours Degree in Computer Science.   Duration: (4 years)
- Midlands State University: Diploma in Networking and PC Engineering.   Duration: (3 years)
- ICSI, UK (International Cyber Security Institute): CNSS Certified Network Security Specialist.   Duration: (4 months)
- Professional Certificate on Full Stack Mobile Application Development - Master Class   Duration: (6 months)
- Professional Certificate on Agile Scrum Master.   Duration: (2 months)
- Professional Certificate on Programming Essentials in Python   Duration: (3 months)
- Professional Certificate on IBM Cloud Essentials   Duration: (4 months)

REFERENCES

Available on request.