

Bokang Modisagarekwe

Summary

Seasoned dynamic and results-driven IT Software Developer with over 11 years hands on experience in Full Stack Development, leading technical development teams, coaching and mentoring junior developers, software development: front-end and back-end development, and possess the capacity to explain complex concepts to lay audiences, and a proven facility to quickly master new concepts. Well-versed in leveraging various tools and programs to deliver quality and cost-friendly applications and systems that amplify efficiency and productivity in organizations. Proven ability to deliver several innovative enterprise software solutions/projects and enhance system performance in the private, parastatal and government sector.

Experience

Sep 2024-
Current **Global IT Software Developer - Midstream (Botswana, Namibia, South Africa, United Kingdom)**

De Beers Group

- Developing and configuring software modules within the stock management system, writing clean and testable code for break-fix resolution and system enhancement.
- Design, develop and implement technical solutions in Microsoft Azure environment using modern programming (X++) and Azure PaaS to add new features to the Microsoft Dynamics system as requested by business units.
- Utilized Azure DevOps for code version control, system ticket management, and change requests progress tracking.
- Develop and deploy an automated unit, and integrated test scripts via Azure DevOps.
- Development of reports using the SQL Server Reporting Services (SSRS).
- Writing complex SQL queries using SQL Management Studio for system query resolution and reports development.

Contacts

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Social Links (Website)

GitHu [bomodisagarekwe.github.io/](https://github.com/bomodisagarekwe)

Lin <https://www.linkedin.com/in/bokangmodisagarekwe123bm/>

Core Competencies

Result-oriented

Analytical Thinking

Relationship Building

Innovative & creativity

Conflict Management

Leadership and mentoring

Languages

English • Setswana

- Design, develop and deploy data pipelines, and integration services.
- Translates functional design documents into technical design documents, ensuring accurate development of applications according to specifications.
- Creates and executes test scripts to ensure high-quality standards and minimize re-work.
- Troubleshooting incidents and errors reported by the business and functional team, providing timely technical resolutions.
- Optimizing the software development lifecycle by identifying and addressing inefficiencies, improving overall efficiency and productivity.
- Demonstrating a comprehensive understanding of the entire application landscape, ensuring compatibility with other environments and dependencies.
- Proactively identifying and implementing preventative measures to mitigate technical system failures.
- Ensuring compliance with standardized processes for code releases into production, considering all dependencies to minimize negative impact on the business.
- Adhering to IT general controls within the application environment, executing daily tasks to ensure compliance.
- Providing periodic progress reports to the technical lead through scrum, maintaining open and transparent communication.
- Actively participating in discovery meetings with business process owners to understand current business processes that needed to be incorporated into the stock management system.
- Collaborating with cross-functional teams on business projects, proposing system contributions and ensuring alignment with organizational goals.
- Collaborating with cross-functional teams in problem investigation, leveraging diverse perspectives to identify and address issues effectively.
- Leading and participating in SHE audits, toolbox talks, and visible fleet leadership activities, promoting a culture of safety and compliance.
- Ensuring completion of all mandatory training as per learning plans, maintaining a commitment to personal and team development.

Aug 2019-
Aug 2024

Full Stack Developer - JAVA

Botswana Unified Revenue Services

- Developed software applications using modern web frameworks such as HTML, XHTML, XML, XSLT, CSS, AJAX, JSON, JQuery, JavaScript, Bootstrap4, vue.js, and RxJs.
- Utilized Java SE 8 and 11, along with Spring Framework, for microservices programming.
- Implemented Test Driven Development (TDD) practices, ensuring high unit test coverage using tools like JaCoCo and Mockito.
- Conducted Quality Assurance Testing and prepared for User Acceptance Testing to ensure the reliability and functionality of developed software.
- Analyzed technical UML documents and translated them into system designs, following document specifications and requirements.
- Integrated web services using SOAP and RESTful APIs, adhering to the MVC model.
- Worked in an AGILE development environment, following test-driven development methodologies.
- Utilized Source Code Management systems like GIT for version control.
- Provided second-line support for system maintenance and troubleshooting.
- Designed and developed APIs for web services back-end development.
- Implemented front-end development using HTML5, CSS, Bootstrap, JavaScript, vue.js, and npm.
- Designed client-side and server-side architecture for efficient and scalable software solutions.
- Worked with JavaScript frameworks such as Angular JS and React.
- Conducted business process analysis and coded revenue systems using Java 11.
- Worked with various RDMS databases, including MySQL, Oracle DB 12c, MariaDB, and MongoDB, performing tasks such as writing triggers, constraints, indexes, creating views, synonyms, and other database objects.

May 2018-
Jul 2019

Management Information System (MIS) Developer

BotswanaPost

- Extracted data from data warehouse and flat files using the Extraction Transformation and Load (ETL) process, loading it into relational Microsoft SQL Server databases.
- Conducted data cleansing process, removing duplicate records after the ETL process to ensure data accuracy and integrity.
- Developed reports by selecting data from the database using complex SQL queries, providing valuable insights and analysis to stakeholders.
- Created Key Performance Indicators (KPIs) across the entire business, generating insights into data through exploratory analysis and future projections.
- Developed havoc reports (Crystal Reports) as requested by the business unit, meeting their specific reporting needs.
- Conducted data mining from the database, writing and executing advanced SQL queries to pull the desired results based on requirements.
- Performed data analysis and visualization using Power BI, presenting data in a clear and visually appealing manner for better understanding and decision-making.
- Maintained consistency in formatting, tense usage, and style throughout the work, ensuring a professional and polished presentation.
- Diligently proofread all reports and documentation, ensuring accuracy and error-free delivery of information.
- Collaborated with cross-functional teams to identify system requirements effectively.
- Analyzed user feedback to drive continuous improvement in MIS functionalities.

Oct 2015-
Apr 2018

Associate Software Engineer

AGILEUM

- Maintained clear and concise documentation of all modifications, enhancements, and processes, facilitating knowledge transfer and ensuring consistency in development and maintenance activities.

- Conducted thorough testing and debugging of code, identifying and resolving defects and bugs to deliver high-quality software solutions.
- Provided consultancy services to the Department of Road Transport and Safety (DRTS), offering system maintenance, support, and enhancement through modification of existing source code.
- Modified and developed reports (Oracle Reports) to meet newly specified requirements, ensuring accurate and relevant information for decision-making.
- Interpreted and implemented technical business processes provided by the DRTS, coding using PL/SQL for Oracle systems, Visual Basic, HTML, and CSS3 for Microsoft systems.
- Prepared development, acceptance/staging, and production environments for both the database and application server side for every deployment, ensuring smooth and error-free transitions.
- Administered the Oracle database, continuously monitoring the development database and Linux application server, executing database scripts, creating tables, functions, triggers, synonyms, views, and granting access rights to specific database schema and users.
- Utilized rapid software development techniques, emphasizing code reusability to improve efficiency and productivity.
- Collaborated with cross-functional teams to deliver projects on time.
- Implemented automated testing, reducing pre-release bugs.

Oct 2014-
Sep 2015

Assistant Systems Analyst (Intern)

Directorate on Corruption and Economic Crime (D.C.E.C)

- Assisted in the management of network infrastructures, including desktops and servers, at the Directorate on Corruption and Economic Crime (D.C.E.C) during an internship.
- Worked with Microsoft Servers 2003 and 2008 Enterprise, Active Directory, and Microsoft Email Exchange Services to ensure smooth operation of ICT systems.
- Took responsibility for hardware and software maintenance, ensuring all systems were up to date and functioning optimally.

- Configured desktops, printers, and scanners, ensuring seamless integration and functionality.
- Troubleshoot network connectivity issues, swiftly identifying and resolving problems to minimize downtime.
- Monitored network infrastructure and services in real-time, proactively addressing any issues that arose.
- Maintained up-to-date antivirus and patch levels on all machines network-wide, ensuring the security and integrity of systems.
- Managed APBX for IP phones, ensuring effective communication within the organization.
- Participated in user testing, gathering feedback to refine system features.
- Supported troubleshooting efforts, resolving issues swiftly to minimize downtime.
- Created training materials, facilitating onboarding for new users effectively.

Education

Jan 2009- Nov 2013 **Bachelor of Science (Honours) in Computing, Computer Science**
Botho University, awarded by Teesside University ~ United Kingdom

Certifications and Licenses

- Oracle Cloud Infrastructure 2025 DevOps Professional
- Oracle Cloud Infrastructure 2025 Certified Application Integration Professional
- Oracle Cloud Infrastructure 2025 AI Certified Foundations Associate
- Oracle Certified Professional, Java SE6 Programmer (OCP)
- Oracle APEX Cloud Certified Professional
- Oracle Fusion Middleware 11g: Build Applications with Oracle Forms Certified Professional (OCP)
- Oracle PL/SQL Developer Certified Associate (OCA)
- Oracle Cloud Infrastructure 2025 Foundations Associate

References

Reference available upon request