BOKANG MODISAGAREKWE

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Oracle Certified Professional

Personal Information

ID Number: 989211611

Date of birth: 20-Jun-1990

Gender: Male

Place of birth: Molepolole

Postal Address: P.O.Box 454 AAD Poso House, Gaborone

Nationality: Motswana

Languages: English and Setswana (written and spoken, both fluent)

Summary

Bokang Modisagarekwe is a software engineer sound knowledge and vast experience in software development and I am a self motivated and innovative individual, and he is a certified Oracle PL/SQL Developer Associate (OCA), Oracle Certified Professional, Oracle Fusion Middleware *11g* Forms Developer (OCP), Oracle Certified Professional, Java SE 6 Programmer (OCP). I also have hands on experience in software development using object oriented programming with Java, Visual Basic,C# and PL/SQL,Oracle Application Framework (OAF), Oracle Application Development Framework (ADF), system support and maintenance. I also posses a good understanding of software engineering concepts and currently working on Agile development environment.

Work Experience

August 2019 - Present

Company Botswana Unified Revenue Services (BURS)

Position: Programmer

Technologies Used: Jasper reports, Java 11, Maven 3.6.2, Apache tomcat, Java lombok, Spring framework

Duties:

- Performing all functions in software development and/or maintenance of new and existing systems.
- Performs coding with Java 11, bug fixing and performing unit tests during development, Quality Assurance Testing after development to prepare for User Acceptance Testing
- Analyzes technical UML documents and designs based on the document specification/requirements, and also do modification and system maintenance of existing systems
- Web service integration between BURS systems using SOAP and RESTful (APIs) following the MVC design
- Agile development environment with test driven development methodologies
- Working with RDMS as repository during development, database like MySQL, Oracle DB 12c writing triggers, constraints, indexes, creating views, synonyms and other DB objects
- System support and maintenance offering first line support resolving issues logged in by different system users.

May 2018 - 31 July 2019

Company: BotswanaPost

Position: MIS Developer

Overseeing and actively participate in the overall reports development and data management for the organization. Ensured that the overall reports provided by the different IT Systems are comprehensive and covers all areas. Gathered requirements, amend, develops and supports reporting including third party reports, ensuring data integrity. Making relevant changes to the system to cater for the reporting requirements and also takes part in system configurations and new services.

Technologies Used: Jasper reports, Crystal reports, JAVA, .NET Framework CORE, Big Data Technologies (Hadoop, Hive,Hbase)

Tools Used: Putty, MobaXterminal, WinSCP, SVN, Netbeans, Redmine, SQL Server Reporting Services (SSRS), SQL Server reports builder, TIBCO JasperSoft Studio, Visual studio, SOAP UI

Duties:

- Data extraction from the data warehouse and flat files following the Extraction Transform and Load (ETL) procedure and produce crystal reports, extraction done using Microsoft scheduled jobs and Linux CRONTABs
- Data Warehouse Management (BI), data quality and cleansing
- Coding all ETL and analytics processes used within the BI system
- Creation of KPIs across the entire business and generate insights into data through exploratory analysis
- Big Data Analysis, Data modelling
- Develops, setup, maintain adhoc reports (Crystal reports, Jasper Reports) as requested from the business
- Data mining from the DB writing and executing advanced SQL queries
- Advises the business units regarding the use of various system reports
- Provides expert knowledge to the business units regarding information needed from various systems;
- Works closely with the different business division to identify requirements and develop solutions (database design, scripts/ETL/ELT, workflow and user end interfaces)
- Provides a clear strategy on the management information road map which feeds into the overall IT road map
- Understand client requirements and how to translate them into system reports and ensure that the organizational data is maintained
- Delivers across the entire software development life cycle
- Write high quality reports templates and system changes within agreed timelines for use by the business
- Develops, tests, amends and support reports according to the business requirements following the IT processes
- Develop reports development frameworks to ease development
- Develop reusable code/ report templates and reuse existing software in development
- Develop technical documents
- Makes relevant system changes and configurations to accommodate reporting requirements
- Web-services integrations using C# and Java
- Engages partners and suppliers on interfacing with BotswanaPost systems and actively participates in developing such interfaces to manage exchange of data between different systems

October 2015 - April 2018

Company: AGILEUM Formally known as D.C.D.M.C

Position: Associate Software Engineer

Client: Department of Road Transport and Safety

Serving as a core member of an engineering team that provided support and maintenance for different projects the individual deployed to, and designs, code writing, Quality Assurance Tesing (QAT), Pre-User Acceptance Testing, conducting code reviews, preparing deployment environments, s upporting and maintaining three projects/systems which are: RTPRCS, DTTS and DLS at the Department of Road Transport and Safety, two of which being Microsoft technologies and one being Oracle technology.

Technologies Used: Oracle reports 11g, Oracle database 11, Oracle forms 11g, JAVA(Jersey/JAX-RS), Maven, JSON

Tools Used: Putty, MobaXterminal, Oracle forms/reports builder 11g, WinSCP, SVN, Netbeans, TOAD, Oracle jDeveloper

Duties:

- Offering system maintenance, support and enhancement through modification of the existing source code in accordance with the list of technical requirements, business process, new technologies, defects and bugs.
- Investigation and resolution of system bugs
- Development of restful web-services
- Assisting project team lead with go-live changes through preparation of change request documents
- Modification and development of reports (oracle reports) to meet the newly specified requirements
- Providing system support by providing 2nd line support to clients' call that has been escalated to the AGILEUM team by the Department of Road Transport and Safety IT Officers.
- Interpretation and implementation of technical business processes provided by the DRTS, for the new system modules to be developed coding using PL/SQL for ORACLE system, Visual Basic, HTML5 and CC3 for Microsoft systems
- Adopted rapid software development techniques, i.e code re-usability
- Documented the modules developed using use case diagrams for technical IT division
- Prepared Functional Development Specification (FDS) document during the development of every new module of the system
- Preparing development, acceptance/staging and production environments for both the database and application server side for every deployment made
- Conducting various Quality Assurance Testing (QAT) and Pre-User Acceptance Testing (UAT) for every new developments made on the system
- Data mining and analysis from the ORACLE database
- Oracle Database Administration through continuous monitoring of the development database and Linux application server, deployment of oracle forms and reports into the middle tier application servers, execution of oracle database scripts e.g. creating tables, functions, triggers, synonyms, views, altering existing tables to meet the new requirements, granting access rights to specific database schema and users
- Successfully developed and provided support to major modules developed in the system, and work closely to ensure the best quality and product understanding for prospect's system presentations, technical needs analysis.

October 2014 - September 2015	Company: Directorate on Corruption and Economic Crime (D.C.E.C)

Position: System Analyst (Intern)

Reporting and giving progress reports to IT Manager , providing technical and logistical support to different stations within the organization. Providing support in a multi - platform environment (Microsoft and Linux).

Duties:

- Managing all network infrastructures including desktops, and servers
- Working with Microsoft Servers 2003 and 2008 Enterprise, Active Directory and Microsoft Email Exchange Services
- Responsible for ICT hardware and software maintenance
- Configuration of desktops, printers, scanners
- Troubleshooting network connectivity
- Monitoring network infrastructure and services in real time
- Maintaining up to date Anti-virus and patches levels on all machines network wide
- Managing APBX for IP phones

Detailed technical experience and specific knowledge

Web Technologies	Java Server Faces (JSF), Richfaces, Active Server Pages (aspx), RESTful (APIs endpoints)
Programming Languages	C#, JAVA, PHP, Advanced PL/SQL, SQL Visual Basic, HTML5, Javascript, CCS3, jQuery, .NET Framework, Java vues
Databases	Oracle Database 11g, 12c, Microsoft SQL Server, MySQL, PostGres
Softwares/Tools	MENDIX, Oracle reports builder 11g, Oracle forms builder 11g, Tool for Application Developer (TOAD), SQL Developer, Microsoft Visual Studio, Putty, MobaXterminal,

WinScp, HansaWorld ERP, ORACLE (Forms 11g), Umlet, Edraw Max, Microsoft Visio drawing, TIBCO Jasper Studio, Source Code Management tools (SVN), Microsoft SQL Server reports builder, Oracle BI Suite Enterprise Edition Plus, Swagger, POSTMAN

Reports   Oracle reports 11g, Jasper reports, Crystal Reports

Education and Qualifications

2012 - 2013   Bsc in Computing
Botho University in collaboration with Teesside University (United Kingdom)

2009 - 2012   Professional Diploma in Software Engineering
Botho University

Professional Certfications

2017   Oracle Certified Professional , Java SE6 Programmer (OCP)

2017   Oracle Fusion Middleware 11g: Build Applications with Oracle Forms Certified Professional (OCP)

2017   Oracle PL/SQL Developer Certified Associate (OCA)

Competencies

- Diagnostic thinking and problem solving
- Innovative and creative
- Results oriented
- Time Management
- Committed team player
- Strong work ethic
- Hard worker
- Planning and Organizing skills

Technical abilities

- Strong analytical skills especially the ability to identify trends and relationships within data
- Sound RDBMS experience, Postgres, Oracle, MS SQL Server, MySQL
- Advanced knowledge database concepts including SQL, stored procedures, indexes and partitioning, functions, views
- Knowledge of data acquisition tools, attention to detail, focused, good problem solver and creative thinker
- Object Oriented Programming skills, i.e JEE, C#
- Data warehousing, business analysis, Business Intelligence, data modelling and data retrieval
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Referees

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