

Khumoetsile Molabi

Software Developer/Software Support and Cloud Technology Enthusiast

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I am an exceptionally creative and dependable Software Developer with superb work ethic. I am knowledgeable in a wide variety of computer languages as well as the principles and techniques of website construction and maintenance including the use of Wordpress, Joomla and Drupal to by using taxonomies, custom content types, menu configuration, views, third party modules, workflows and also assign accessibility permissions to different user types. Highly proficient in SQL Server, ASP.NETCore, Java, MySQL, J2EE, jQuery, Spring Boot Framework, Bootstrap, CSS/LESS/Sass, TypeScript, Ionic Framework.

EXPERIENCE

Botswana Institute for Technology Research and Innovation.

October 2020 to Present

ICT Associate

- Involved in Requirements gathering and application development using AGILE SCRUM methodology.
- Source control versioning using Bit Bucket.
- Improving slow API responses
- Adhering to test standards, develop testable code and conduct unit test and behavioral testing.
- Making recommendations as to the feasibility of implementing new or existing technologies and/or frameworks.
- Developing frontend and backend software as a member of a fast paced agile team.
- Optimize existing user interface designs
- Create prototypes for new product ideas
- Test for intuitivity and experience
- Develop technical and business requirements and always strive to deliver intuitive and user-centered solutions
- Developing front end Single Page (SPA's) using various JavaScript frameworks such as Angular 7.
- Backend development and configuration using various Spring framework features such as Spring MVC, Spring AOP, Spring Boot, Spring ORM and Spring Security.
- Hands on experience in working with continuous integration tools like Jenkins and deployment using Docker Containers.
- Deliver the project Blue Print (gathering requirements, requirements modelling, Requirements documentation.
- Ensure compliance to specifications, Quality Control and Quality Assurance in overall projects delivery.

4Teck IT

Feb 2020 to September

Software Developer

Dealing with consulting services in Software Development, Web Design and Development, Business intelligence, Business Process Management, Data Management and ICT Support.

- Administered, supported and monitored databases by proactively resolving database issues and maintaining servers.
- Introduced methodologies and best practices to software development division to enhance product definition and application customization.
- Investigation, design, and implement scalable applications for data identification, analysis, retrieval, and indexing.
- Website Design and Development, hosting and management of hosting servers.
- Cooperate diligently with other IT team members to plan, design, and develop smart solutions.
- Interface with business analysts, developers, and technical support to determine optimal specifications.
- Microsoft 365 configurations

Internet Options Botswana

Dec 2017 to Feb 2020

Software Developer

Developed, maintained and supported application programs for administrative, Web and mobile systems utilizing Java and related technologies. Investigated code for application testing and troubleshooting and dealt with a group of three developers.

- Orchestrated efficient large-scale software deployments, including testing features and correcting code.
- Gathered and defined customer requirements to develop clear specifications for creating well-organized project plans.
- Discussed project progress with customers, collected feedback on different stages and directly addressed concerns.
- Source control versioning using Git.
- Developed and designed a secure and complex app that was used for survey's on all Choppies Enterprise stores around Southern Africa.
- Completed development tasks using C# .NET Core MVC, Web API, Angular, JavaScript, CSS framework and related technologies.

- Supporting Officeberry and Health Alternative's ERP system through backend SQL.
- Migrated several apps towards the cloud. Keywords: team management, software development, micro services, cloud computing, AWS, Node.js.
- Developed a microservice architecture supporting already more than three products.
- Hosting of web applications within network and externally using IIS web server for ASP.NET apps.
- Decreased daily production issues.
- Established project management system of daily tasks.
- Improved slow API responses
- Adhered to test standards, develop testable code and conduct unit test and behavioral testing.
- Making recommendations as to the feasibility of implementing new or existing technologies and/or frameworks.
- Developed frontend and backend software as a member of a fast paced agile team.
- Using crystal report to generate reports from data sources. Setting process in motion for disaster strikes in the company.
- Debugging already existing projects that were developed before I was absorbed into the company.
- Website design, development and maintenance for external clients.
- Integrated a payment gateway into echoppies.com
- Trained new developers and programmers on company standards for design and review.

Ntebogang Technologies

Nov 2017 to Dec 2017

Developer

Led programming tasks including upgrades, maintained and support for customers' applications. Became adept in analyzing code for system testing and debugging.

- Coordinated with project management staff on database development timelines and project scope.
- Researched new technologies, software packages and hardware products for use in website projects.
- Designed and managed multiple websites, ensuring that the clients' needs and requirements were always fully met.
- Maintained all web applications, executed various database administration tasks, and installed and configured hardware and software.
- Performed detailed quality assurance checks, oversaw all daily web administration operations, and developed and implemented new, more efficient content management system.
- Identified bugs and collaborated with colleagues on the improvement of system performance, functionality, and reliability - increased the system performance by 15%.
- Walked clients and internal staff through troubleshooting steps to resolve common software issues.

WEB MECHANICS

Jan 2017 to Nov 2017

WEB DEVELOPER

- Designed, implemented and monitored web pages and sites for continuous improvement.
- Created eye catching and functional digital design concepts across various platforms to strengthen company brand and identity.
- Tested websites and performed troubleshooting prior to deployment.
- I was in charge of the development of external application written in ReactJS.
- I wrote well designed testable, efficient code by using best software development practices.
- I did data integration from various back-end services and databases.
- Gathered and refined specifications and requirements based on technical needs.
- Managed and trained two interns in my team.
- Strengthened company brand and identity by creating distinctive website and logo.

Lotsane Senior Secondary School

Jul 2015 to Nov 2015

IT Technician Assistant

- Fixing faulty computers and printers
- Changing hard disks in computers
- Recovering data lost in computers
- Installing new operating System
- Diagnosing the school network and making sure it works smooth

EDUCATION

Botho University

2012 to 2016

Bachelor of Science (Honours) in Computing

PROFESSIONAL SKILLS

Programming languages: Java, Javascript, C#, PHP

Web Technologies: Rest, Web Sockets, J2EE, HTML5, CSS , Node.js

Data Modelling: JSON, XML

Data Management: MySQL, MongoDB, SQL, SQLite, PostgreSQL, Firebase

Front-end and Backend: AngularJS 1, HTML / CSS, Angular, Spring Boot, ASP .NET Core, Codeigniter, React / Redux, Typescript, JQuery, Sass/less, Grunt / Gulp, NodeJS, Bootstrap

Content Management Frameworks: Drupal, Joomla and Wordpress

Other computer skills: - Adobe After Effects, Adobe Illustrator, Adobe Photoshop, Adobe XD

TECHNICAL SKILLS

- Adaptability
- Agile processes
- Excellent communication skills
- JAVA, Spring, Spring Boot, SQL Server, No SQL
- Microservices development
- Status tracking tools (Jira)
- Practical knowledge of SQL and database concepts
- Strong collaboration skills
- API Design
- Test Driven Development, Unit Testing, Domain Driven Design
- Electronic Data Interchange (EDI)
- Information Security And Quality Assurance
- Windows Services using Topshelf Framework
- Data Visualization
- Good Technical skills on three tier application development
- Good Knowledge on reporting tools such as Crystal Reports

PROFESSIONAL PROJECTS

Vehicle Management System for Internet Options Botswana & Choppies Transport

Jan 2017 to Present

I was the only developer developing a Vehicle Management System for Internet Options Botswana & Choppies Transport. This project was to be made in PHP. The main purpose of this project was to send alerts for service renewals, license renewals, and insurance renewals so that the companies should stop losing money paying for late penalty fees. Other functionalities where that the software should be able to generate reports to see how much fuel is being used etc. This was a commercial project.

IOB Survey Blue

<https://play.google.com/store/apps/details?id=com.iob.offlinesurveys&hl=en>

An android mobile app that is used across choppies stores in southern Africa for taking surveys on how to improve service delivery across choppies stores. The mobile is able to take surveys while it's online then later sync to the database once the device used has internet connection.

Choppies EDI Solution

Choppies EDI solution is a "Client Server Application" which allows Choppies Distribution system to function in a centralized process. The Solution has 2 simple processes: Export & Import which allows Choppies and its vendor to exchange documents in electronically from their POS system (RXL Base).

Gaborone University College Of Law's Library Management System:

A WEB based system where you can manage books of different categories, manage members of different types and manage issue/return of books easily. Features of this will include:

- Dashboard (graphical report of recent activities)
- Auto Catalog by ISBN (automatically get details from GOOGLE API)
- Import Bulk Books, Categories, Authors with CSV
- Book management (multiple authors & categories)
- Books, Categories, Authors Export facility (PDF, Excel)
- Circulation management (circulation settings and issue & return books to/from members)
- Notify members by SMS or Email (several SMS and Email API integration)
- Circulation management (circulation settings and issue & return books to/from members)

CERTIFICATIONS

Lean Six Sigma White Belt

August 2020

Management and Strategy Institute

Six Sigma Yellow Belt

6 Sigma Study

August 2020

DevOps Essential Professional Certificate

CertiProf

August 2020

Scrum Fundamentals Certified (SFC)

SCRUMstudy - Accreditation Body for Scrum and Agile

July 2020

CNSS Certified Network Security Specialist

International Cybersecurity Institute

July 2020

NSE 3 Network Security Associate

Fortinet

July 2020

NSE 2 Network Security Associate

Fortinet

July 2020

Introduction to Cybersecurity

Cisco Networking Academy

July 2020

Cybersecurity Essentials

Cisco Networking Academy

July 2020

NSE 1 Network Security Associate

Fortinet

June 2020

Agile Software Development: Scrum for Developers

Linkedin Learning

July 2020

Programming Foundations: Databases

Linkedin Learning

July 2020

RECOMMENDATIONS

Joseph Moloko - 4Teck IT

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