

Xolani Khumalo

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Personal statement

A passionate and professional software engineer with 2+ years focused on developing medium- to large-scale software systems currently seeking a new position as a software engineer. Great experience in development, integration, testing and implementation of various applications. An enthusiastic approach to learning has allowed me to develop a broad range of skills in a short space of time.

Key Skills

- Object-Oriented Programming (Java, C#, Python)
- Design Patterns
- Database Development (MySQL, MS-SQL)
- Business Intelligence (SQL Server Reporting Services)
- SolidWorks and EPDM Integration
- Web Development (HTML, CSS, JavaScript)
- Mobile Development (Android)
- Requirement Analysis and Business Analysis
- CLEAN coding
- Test-Driven Development

Employment History

The below are projects I worked on whilst employed by Bytes Universal Systems:

BI Intelligence, Bytes Document Solutions, Isando

(November 2016 – Present)

My role within Bytes Document Solutions (Xerox) consisted of SSRS Reporting and business analysis for the required reports in different departments. All reports are used throughout the company on a daily basis to enable employees to intercept data to understand their working environment and allow each of them to make informed decisions to maximize client service and increase productivity.

Using the following technologies:

- Microsoft SQL Server
- SQL Server Reporting Services (SSRS)
- Visual Studio

Software Engineer, Powertech Transformers, Pretoria West

(April 2015 – October 2016)

We built a Transformer Design System that integrates Mechanical and Electrical engineering principles and calculations to create accurate transformer designs in perfect detail in CAD.

With this, the Bill of Materials was included in the designs and all parts and assemblies created via integrated APIs were stored to Solidworks Enterprise Product Document Management(EPDM) to allow a fully version-controlled implementation.

By creating and implementing this entire system, full transformer designs took 20 minutes as opposed to the 3 months manual work by engineers at Powertech.

Used the following technologies:

- C#
- .Net
- Solidworks (CAD)
- Solidworks API
- Solidworks EPDM
- Microsoft Office API
- Spreadsheet Lite API
- OpenXML.

Education

Witwatersrand University

(February 2016 – Present)

BSc Computer Science (Current Studies)

Potchefstroom Boys High School

(January 2007 – December 2011)

Matric Results:

- Accounting (85%)
- Computer Applications Technology (89%)
- Physical Sciences (81%)
- English (79%)
- Maths (78%)
- Life Orientation (78%)

Hobbies & Interests

- Improving my skills as a software engineer by learning languages, skills and principles, as well as working on projects in my personal capacity.
- Exercising
- Playing indoor soccer
- Video games

References

1. Theodor Harmse
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 - b. **Email:** Theodor.Harmse@bytes.co.za
2. Kingston Nyabvure
 - a. **Phone:** 081 042 0740
3. Violet Tlhokwe
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