Emmanuel **Mashandudze**

SOFTWARE ENGINEER · BUSINESS INTELLIGENCE DEVELOPER

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Education

Wits (University of Witwatersrand)	*Braamfontein, Johannesburg*
MASTER OF ENGINEERING : SOFTWARE ENGINEERING	*Graduated in April 2014*

- Earned a merit award

Wits (University of Witwatersrand)	*Braamfontein, Johannesburg*
CERTIFICATE IN PROJECT MANAGEMENT	*Completed November 2013*

MSU (Midlands State University)	*Gweru, Zimbabwe*
BACHELOR OF SCIENCE HONOURS IN INFORMATION SYSTEMS	*Graduated in April 2009*

- First Class Honours Project

Skills

BI Reporting Tools	OBIEE, Business Objects, QlikSense, Proclarity, Tableau, Zeppelin Notebooks
BI ETL Tools	ODI, Warehouse Builder, IBM DataStage
Databases	Oracle, Postres, MySQL, SQLServer, SQlite
Data Modeling	Enterprise Architect, Navicat Data Modeler, Umlet
Cube Tech	Microsoft Analysis Services, Hyperion Essbase
Programming	PL/SQL, SQL, JAVA, LaTeX, C/C++
Web	PHP, HTML5, CSS
Languages	Shona, English

Experience

Truworths International Limited	*Cape Town, South Africa*
BUSINESS INTELLIGENCE/ DATA WAREHOUSE DEVELOPER	*May.. 2014 - Current*

- Implemented a KPI / Scorecard for measuring daily store performance x
- Agile Data Warehouse Development (Scrum)
- Automate data loads using Control-M
- Design, Build and Test ETL using IBM DataStage, PL/SQL & SQL
- Design, Build and Test Multi-dimensional Cubes in SSAS & Essbase
- Support existing BI systems
- Building interfaces between source systems (EBS Financials, RESA, ORPOS, CRM)
- Optimisation of the Business Intelligence infrastructure and toolset
- BI Error handling and Discrepancy Reporting (Enhancing BI Data Quality)
- Documentation and source control using subversion and Confluence
- OBIEE Administration and Development (OBIEE 10g/11g/12c)
- Weblogic performance tuning and configurations
- LDAP Setup and support
- Experience in working with Global Security and providing with user roles
- Designing custom security & Data Level filters
- Development of End User Reports
- Formulating test cases for various projects
- OBIEE upgrade and maintenance
- Maintenance of MUDE environmenment
- Training Adhoc Report Developers (Super Users)
- Provide support required to ensure the availability and performance of developed reports and dashboards
- Implementing Clustering techniques for BI reporting platforms
- Participate in business analysis activities to gather required reporting and dashboard Specifications.
- Translate business requirements into specifications that are implemented in the required reports and dashboards (OBIEE, Tableau, Qliksense, ProClarity and inhouse tools)
- Collect and analyze events from BI applications servers
- Reading data from Cubes using Smartview, Proclarity and Excel

Witwatersrand University   *Johannesburg, South Africa*

Business Intelligence Support Engineer   *May 2011 – April 2014*

- Design, code, test, and document all new or modified BI systems, applications,and programs(PL/SQL Programming)
- Develop the semantic layer, metadata, reports, and report definitions.
- Server Maintenance and Administration (Upgrades and New Installations of BI Systems)
- Information Design - Design Universes
- Designing Standard Reports in Business Objects 4
- Produce ETL design guidelines to ensure a manageable ETL infrastructure for the BI system with ODI.
- Troubleshoot BI tools, systems, and software; performance-tune these applications as necessary.
- Evaluate and select database/data warehouse components, including hardware,relational database management systems, ETL software, metadata management tools, and database design solutions.
- Research on Expanding Business Intelligence Application.
- Managing Business Objects, Oracle BI suite, Qlikview
- Assisting in the POC of new BI Tools
- Training Finance, HR Users Business Objects
- Security Admin for OBIEE and Business Objects
- Performance Management for BI servers
- Testing ODI Maps for SIMS Project
- Qlikview Development and Implementation

TSC Technologies (now JumpCo)   *Northcliff, Johannesburg, South Africa*

Junior Software Developer   *Feb 2007 – February 2008*

- Applications development (Banking Systems, Insurance Systems , Finance etc)
- Web Application development and Scripting (JSP, JSFs, PHP, Ruby on Rails)
- Training Java Developers
- Software Testing
- Application Integration (Webshere and Message Broker, SOA)
- BPM Process Automation

Selected Publications/ Projects

Scientific Journal   *Johannesburg, South Africa*

E. Mashandudze & Prof B. Dwolatzky   *2015*

- Major challenges impeding the fast adoption of Cloud Computing: A case study of South African organisations and emerging economics

Tackling the Cloud   *Johannesburg, South Africa*

Emmanuel Mashandudze   *November/ December 2013 Issue*

- `https://issuu.com/technologybanker/docs/technologybanker_nov_dec_2013`

Projects   *South Africa*

Notable Projects   *May 2011 - PRESENT*

- Migrated Discoverer EUL to OBIEE - Witwatersrand University, Johannesburg, 2013
- Oracle Warehouse Builder to Oracle Data Integrator Migration - Witwatersrand University, Johannesburg, 2013
- Business Objects 4.0 Upgrade -Witwatersrand University, Johannesburg, 2013
- OBIEE 11.1.1.7 upgrade - Witwatersrand University, Johannesburg, May 2013
- Business Objects XI- Witwatersrand University, Johannesburg, July 2011
- Stores Dashboard KPI project Truworths 2014
- R11-R12 Finance Project Truworths 2014-2015
- Finance Ratios and Field Analysis Truworths 2017
- OnSite Cash Management Truworths 2017

Honors & Awards

2014	**Citation - Truworths Award**, Implementing 8 point KPI dashboard solution		*Truworths, Cape Town*
2011	**Merit Award**, Academic Excellence in Honours		*Wits University, Braamfontein*
2009	**1st Class Award**, First Class Project at Honours, Midlands State University		*Gweru, Zimbabwe*

References

- **Francois Vermeulen**
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