Tjaart van der Walt

Resume

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Education

2013–2015	**MS, Computer Science**. University of Missouri-St. Louis, St. Louis, MO
2003	**Honors BSc Information Technology (Cum Laude)**. North-West University, Vanderbijlpark, South Africa
1999–2002	**BSc Computer Science**. North-West University, Potchefstroom, South Africa

Honors/Awards

2015	**Graduate student marshal**, *University of Missouri-St.Louis*. I was selected by the the College of Arts and Sciences, to carry the Graduate school banner at the Spring 2015 graduation commencement ceremony. This honor is awarded to students who have achieved academic excellence, are of excellent character, and are involved in meaningful activities on and off campus.

Work experience

current	**Solmates LLC**, *Technical Co-founder*, `http://www.getsolmates.com`. Solmates is a mobile application for renting beach equipment. I am in charge of all technical design and implementation for the system.
Spring 2015	**University of Missouri-St. Louis**, *Instructor - Introduction to computing*. I taught an introductory course in C++ development.
2012	**Interfront SOC**, *DevOps Engineer*, `http://www.interfront.co.za`. I formed part of the newly formed DevOps team. My achievments include: ○ Improving our Continuous Integration pipeline ○ Writing configuration management scripts using Chef ○ Maintaining critical development servers: SVN, Jenkins and Sonar
2010 - 2011	**Interfront SOC**, *Java Developer*. I was part of the development team that implemented an Excise Movement and Control System (EMCS) at Luxembourg Customs.
2007 - 2010	**NioCAD**, *Java Developer*. My achievements include: ○ Implementing features for our Graphical Editing Framework ○ Writing automated GUI tests

2005 - 2006	**Zomerlust System Design**, *Python Developer and Linux System Administrator*, `http://www.zsd.co.za/`.

My achievements include:
- Writing Python scripts to support daily operations.
- Linux system administration.

Technologies

General technologies

Operating Systems: Arch Linux, Ubuntu, Debian, Fedora, CentOS, Solaris, OSX

Version control: Git, SVN, RCS

Editor/IDE: Emacs, Vim, Eclipse, NetBeans, Android-Studio

Programming languages and frameworks

JavaScript	**MVC Frameworks**: Backbone, Marionette
	Bundling: Browserify
	Templates: Handlebars
	Build tools: npm, Grunt, Gulp
	Testing: Mocha
Nodejs	**Web Application Framework**: ExpressJS
	API Frameworks:Swagger
	Mongodb Modelling: Mongoose
	Build tools: npm, Grunt, Gulp
	Testing: Mocha
Java	**Application servers**: WebLogic, Tomcat, WebSphere
	Application frameworks: Spring
	Build tools: Maven, Ant, Gradle
	Testing: jUnit, TestNG, Squish
	ORM: Hibernate, JPA
	Database Migration: Liquibase
Python	**Web frameworks**: Quixote
	Packaging: Python Package Index
	Image processing: OpenCV-Python
C++	**Image processing**: OpenCV

Mobile development tools

Platform: Android

Web frameworks: Phonegap/Cordova

Testing: Appium

Devops tools

Docker, Chef

Continuous Integration: Jenkins, Travis-CI

Virtualization: VMWare, VirtualBox, Vagrant

Databases

SQL: Oracle, DB2, MySQL, PostGreSQL, Sqlite

NoSQL: MongoDB

Personal Projects

I developed and maintain several Free Software projects. A list describing some of the more useful ones can be found at `http://www.tjaart.co.za/#projects`

References

Prof. Sanjiv Bhatia, *Graduate Director: Computer Science*, UMSL.
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Mr Maurice Dozetos, *Project Manager, EMCS*, Interfront.
✉ maurice.dozetos@gmail.com ☎ +27 82 889 0142

Mr Jan Pool, *Chief Technical Officer*, NioCAD.
✉ jpool@pshymorphic.com ☎ +27 82 451 8025

Mr Ian Forbes, *General Manager*, Zomerlust Systems Design.
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