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I’m a software developer with a keen focus on agile development and DevOps. A work environment where technology is appreciated and therefore applied to solve modern problems ultimately appeals. In addition, I value collaboration, where team members can discuss their ideas and passions to facilitate continued learning.

# Education

* **2010**
  + Monash University
    - Mathematics for Computer Science 1
* **2005 – 2009**
  + Deakin University
    - Bachelor of Information Technology (Computer Science and Software Development) with distinction
* **2003 – 2009**
  + Catholic Regional College
    - VCE

# Employment

* **2010 (current)**
  + Defence Science and Technology Organisation (DSTO)
    - Software Engineer
* **2007 – 2010**
  + MDI Radiology
    - IT Coordinator
* **2006 – 2007**
  + Woolworths
    - Night fill

# Work Experience

* **2002**
  + Damovo Australia
    - Experience with appointed network data group

# Positions of Responsibility

|  |  |  |
| --- | --- | --- |
| **Organisation** | **Department** | **Duties** |
| DSTO | Intelligence, Surveillance and Reconnaissance Division (ISRD) / Information Integration (II) Branch | Apply knowledge of Service Oriented Architecture (SAO) systems and graphics programming, using high level programming languages. |
|  |  |  |

* **Organisation**
  + DSTO
* **Department**
  + Intelligence, Surveillance and Reconnaissance Division (ISRD) / Information Integration (II) Branch
* **Duties**
  + Apply knowledge of Service Oriented Architecture (SAO) systems and graphics programming, using high level programming languages.
  + Design and develop complex systems that enhance existing functionality (legacy).
  + Integration of new capability into the Defence Information Environment (DIE); specifically focused on the integration of (existing) high level systems that specialise in the management and dissemination of intelligence.
  + Apply agile software development methodologies to engineer high quality software within a self-organising, cross function team.
  + Adhere to and implement Configuration Management (CM) processes that assist in the development of high quality software.
  + Effectively research and communicate cutting edge software development practices amongst my immediate team and the wider DSTO community.
  + Demonstrate functionality of engineered systems to other DSTO scientists and engineers/external clientele.
* **Organisation**
  + MDI Radiology
* **Department**
  + ICT
* **Duties**
  + Design, implement and manage (optimise and trouble shoot) multisite WAN network.
  + Data centre infrastructure, testing, system deployment (hardware), maintenance, and monitoring.
  + Give advice to upper management on new technologies, solutions and viability.
  + Implement and manage backup procedures for critical facilities both on and off-site.
  + Enterprise antivirus installation and management.
  + Business oriented software development (in-house).

# Projects

* **2012**
  + Evolutionary Layered Intelligence, Surveillance and Reconnaissance (ISR) Integration eXemplar Architecture (ELIIXAR)
    - Australian instantiation of an exemplar open source ISR integration SOA stack, providing functionality to store, index, federate and search ISR information and products across coalition enterprises. ELIIXAR is primarily comprised of Java, Java EE, Apache CXF, Apache ServiceMix, OSGi, MongoDB, Morphia, JavaScript, EXT JS 4, HTML, CSS and Ozone Widget Framework (OWF).
* **2011**
  + Empire Challenge (EC) 2011
    - Various exercises, where Australian ISR capabilities (software) were integrated and applied with U.S. and other coalition partners – including, Modelling & Simulation (M&S), Australian Defence ISR Integration Backbone (ADIIB) and Coalition Shared Data Server (CSD).
* **2010**
  + CSD Harmoniser Human Machine Interface (HMI)
    - The CSD Harmoniser HMI is a Google Web Toolkit (GWT) HMI using Comet and GWT-RPC, that displays (live) log messages using gwt-log, a client/server logging framework, pushed from an underlying harmonisation Simple Object Access Protocol (SOAP) web-service.
  + ADIIB HMI
    - The ADIIB HMI is comprised of a GWT HMI (Ext GWT) and a Java EE back-end (SOAP service-engine) for search/retrieval and alert notification of media that is decoded and ingested into connected (clustered) Defence Common Ground System (DCGS) Integration Backbone (DIB) and CSD nodes.
  + Exchangeable image file format (Exif) Resource Adapter (RA)
    - A Java application using Swing/MVC that allows a user to decode and ingest Exif metadata from image media into a DIB Metadata Catalogue (MDC) alongside the original data product (image) for later search and retrieval.
* **2008**
  + Union of MDI Radiology with alliance group GIG Imaging
    - Phased merging of existent radiology infrastructures – network provisioning, configuration and cutover, domain integration, DNS, DHCP, AD, modality convergence, RIS (Radiology Information System) and PACS (Picture Archiving and Communication System) installation and configuration.
  + University Final Year Project
    - Converged billing and directory application system – integrating pre-existent application systems, including: eB2BCom – View 500 Central Directory SE, nFocus – PABx Client, and TTi – Electronic Billing – into a web application prototype built using Java and JSP technologies (including JSF).
* **2007**
  + MDI Marketing application
    - A dynamic web application for support of (mobile) creation, storage and tracking of market oriented reports – built using Microsoft ASP.net (MVC), C#, HTML, JavaScript, AJAX, Microsoft SQL and Microsoft IIS v6.0.

# Skills & Proficiencies

* **Languages**
  + Java, C#, JavaScript, HTML, CSS, XML, SQL, Bash/Zsh (oh-my-zsh), and others
* **Editors**
  + Eclipse, Vim + Pathogen, Sublime Text 2
* **Issue Tracking & Wiki**
  + Atlassian Confluence, Atlassian Jira, Redmine
* **Continuous Integration (CI) & Deployment (CD)**
  + Atlassian Bamboo, Jenkins
* **CM**
  + Puppet, Maven
* **Software Configuration Management (SCM)**
  + Git, Mercurial, SVN
* **RDBMS & NoSQL**
  + MySQL, Microsoft SQL, PostgreSQL (PostGIS), MongoDB
* **OS**
  + Linux (Arch, Red Hat, CentOS, Fedora), Solaris, Apple OS X, Microsoft Windows Family
* **Monitoring & Logging**
  + Nagios, Zabbix, Zenoss

# Professional Development

* **2013**
  + Oracle
    - Enterprise Application Development with Java EE 6
  + Puppet Labs
    - Puppet Fundamentals
* **2012**
  + Scrum Alliance
    - Certified Scrum Master
  + Fig Leaf Software
    - Fast-track to Ext JS 4
* **2011**
  + IBM
    - Defence Operations Platform (DOP) Fundamentals
  + LISAsoft
    - Professional GeoServer 1
  + FuseSource
    - Introduction to Apache ServiceMix & Apache Camel
* **2007**
  + Agfa Healthcare
    - IMPAX System Administrator
  + GE
    - DICOM & HL7 Fundamentals
* **2003 – 2004**
  + Cisco
    - CCNA 1 – Networking Basics
    - CCNA 2 – Routers and Routing Basics
    - CCNA 3 – Switching Basics and Intermediate Routing
    - CCNA 4 – WAN Technologies

# Awards & Achievements

* **2008**
  + Golden Key International Honour Society

# Extracurricular

* Being a Dad!
* Music/band
* Reading
* Gym
* Martial arts
* Gaming
* Linux

# Referees

* Available upon request