

James Fraser

<http://users.on.net/~wulfgar.pro>
<http://stackoverflow.com/users/512994/wulfgar-pro>

17 Neuville Court
Wynn Vale, SA 5127
wulfgar.pro@gmail.com
0450 661 604
(08) 7389 7428

Summary

I'm a software developer with a keen focus on agile development and DevOps. I'm an enthusiastic learner, I'm creative, and I'm very people oriented. 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 open learning.

Education

2010: Monash University

- Mathematics for Computer Science 1

2005 – 2009: Deakin University

- Deakin University – Bachelor of Information Technology (Computer Science and Software Development) with distinction

2003 – 2004: Catholic Regional College

- Catholic Regional College – VCE

Employment

2010 (current): DSTO Defence Science & Technology Organisation

- Software Engineer within the Information Integration (II) Branch of the Intelligence, Surveillance and Reconnaissance Division (ISR/D)

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

DSTO ISRD / II

Duties

- Apply knowledge of Service Oriented Architecture (SAO) systems, 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 (i.e. Scrum) 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 and operation of high quality software.
- Design, collaborate and support System Administrators in the deployment and management of application infrastructure.
- 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.
- Provide operational support to end-users; report and escalate bugs/fixes.

Projects

- Evolutionary Layered Intelligence, Surveillance and Reconnaissance (ISR) Integration exemplar Architecture (ELIIXAR)
 - Designing and contributing (ongoing) to an Australian instantiation of an exemplar open source ISR integration SOA stack; front and back-end.
 - Java EE, JavaScript, Apache CXF (REST), Apache ServiceMix, OSGi, MongoDB, VMware, Puppet
- Coalition Shared Data Server (CSD) Harmoniser
 - Designed and developed a Human Machine Interface (HMI) that displays real-time log messages from an underlying harmonisation web-service (SOAP).
 - Java EE, JAX-WS, JMS, GWT + Comet & GWT-RPC, gwt-log
- Australian Defence Common Ground System (DCGS) Integration Backbone (DIB) (ADIIB)
 - Designed and contributed to a HMI for search/retrieval and alert notification of media that is decoded and ingested into connected (federated) DIB and CSD nodes.
 - Java, GWT, Ext GWT
- Exchangeable image file format (Exif) Resource Adapter (RA)
 - Designed and developed an application for decoding and ingesting Exif metadata from image media into a DIB Metadata Catalogue (MDC).
 - Java, JAX-RPC, Swing (MVC)
- Empire Challenge (2011)
 - Involved in various remote exercises, integrating Australian ISR software with U.S. and other coalition partners over VPN.

- Modelling & Simulation (M&S) with AGI's STK, MetaVR's VRSG, Distributed Interactive Simulation (DIS), DSTO's UAV Controller, ADIIB and CSD
- Unmanned Ariel Vehicle (UAV) Controller
 - Designed and developed a utility to enhance a simulation capability driven by AGI's STK, enabling a user with full run-time control of a UAV within an STK scene.
 - Visual C#, Windows Forms, STK's .NET API

MDI Radiology

Duties

- Design, implement and manage (optimise and trouble shoot) multisite network (WAN).
- Manage data centre infrastructure, testing, deployment (hardware), maintenance, and monitoring.
- Administer critical business applications, including email, support ticket system, antivirus and others.
- Implement and manage backup procedures for critical facilities both on and off-site.
- Provide desktop support to hundreds of employees across multiple sites.
- Develop in-house business oriented software, including external website.
- Advise board of directors on new technologies, solutions and viability.

Projects

- Network union of MDI Radiology and alliance group GIG Imaging
 - Heavily involved in merging two large radiology groups, requiring network cutover, domain, DNS, DHCP and Active Directory integration, Radiology Information System (RIS) and Picture Archiving and Communication System (PACS) installation, configuration/management and support.
- mMarketing
 - Designed and developed a web application to support mobile marketing employees, which enables them to create, retrieve, update and delete (CRUD) market oriented reports.
 - ASP.NET (MVC), Visual C#, HTML, JavaScript, AJAX, Microsoft SQL, Microsoft IIS v6.0

Skills & Proficiencies

Languages

- Java, C#, JavaScript, HTML, CSS, XML, SQL, Bash/Zsh (oh-my-zsh), and others

Tools

- Eclipse, Maven, Ant

Issue Tracking & Wiki

- Atlassian Confluence, Redmine, Atlassian JIRA, Trello

Continuous Integration (CI) & Deployment (CD)

- Atlassian Bamboo

CM

- Puppet

Software Configuration Management (SCM)

- Git, SVN

Databases

- MySQL, Microsoft SQL, PostgreSQL (PostGIS), MongoDB

Operating Systems

- Linux (Arch, Red Hat, CentOS, Fedora), Cygwin, 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

- Red Hat – RH124, RH134
- Scrum Alliance – Certified Scrum Master
- Fig Leaf Software – Fast-track to Ext JS 4

2011

- IBM – Defence Operations Platform (DOP) Fundamentals
- LISAssoft – 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 & Routing Basics), CCNA 3 (Switching Basics & Intermediate Routing), CCNA 4 (WAN Technologies)

Referees

- Available upon request