

DAVID MORRISSEY

CURRICULUM VITAE

Email: davemorrissey@gmail.com

Please check my website for more information and recent updates: www.davemorrissey.com/cv

PROFILE

- ❑ Wide experience of Java and J2EE development, from multi-threaded console programs to web applications.
- ❑ Proven engineering team leading ability on three successful projects.
- ❑ Experience of the full project lifecycle of internal business systems, public websites and boxed products.
- ❑ Focus on producing robust, scalable applications, working on own initiative or as part of a team.
- ❑ Use of new technologies to create interactive and visually engaging internet applications.

EXPERTISE

- ❑ **Java Technologies**
 - Java 1.4, 1.5, 1.6
 - JDBC, SQL
 - J2EE, Servlets, Taglibs
 - Spring, Struts, JSP, JSTL
 - Android Applications
 - Swing, Applets
- ❑ **Build Systems, Testing and Source Control**
 - Eclipse
 - JUnit, Maven, Ant, JMeter, InstallShield
 - CVS, SVN, VSS
 - Mantis, Bugzilla, TestDirector, HP QC
- ❑ **Planning and Documentation**
 - Functional specifications
 - Use cases, screen mockups
 - Technical documentation
 - User manuals
- ❑ **Internet and XML Technologies**
 - XHTML, CSS, Accessibility standards
 - JavaScript, AJAX, DOM scripting
 - XML, XSLT, XML Schema (XSD)
 - REST, SOAP, WSDL
 - OAuth
 - PHP, ASP
- ❑ **Servers, Databases and Content Management**
 - Tomcat
 - Apache, IIS
 - MySQL, SQL Server, Oracle
 - Day Communiqué CMS
- ❑ **Operating Systems**
 - Windows - 2000, XP, 2003, Vista
 - Linux - Red Hat, Fedora, CentOS

PROFESSIONAL EXPERIENCE

- ❑ **Aug 2008 – Present: T-Mobile ltd on behalf of EXPW Consulting (Contract)**

Web'n'Walk is a set of internet services available on T-Mobile phones, designed to bring personalised content from news sites and social networks to customer's idle screens and browser home pages. The back end consists of a suite of interconnected applications that support different aspects of the service. My achievements include:

- APIs, business logic, distribution management and database access layer of a multi-threaded distributed application that sends notifications of new content to idle screen widgets. Designed for minimum memory and CPU usage under high load, with automated failover.
Java, JDBC, Spring, Jersey, REST, JGroups, Maven, JUnit, JMeter
- Web application for external developers to submit widgets for review, including implementation of and integration with internal widget repository REST API.
Java, J2EE, Spring, Jersey, REST, JSTL, JSP, HTML, JavaScript, AJAX

- Java implementation of OAuth specification, designed to be dropped into any application with minimal Spring configuration and provide authenticated communication between back end components.
Java, Spring, OAuth, Jersey, JUnit
- Implementation of a generic framework for highly configurable RSS feed and search widgets, allowing new widgets to be created by content managers without development effort.
Java, J2EE, JDBC, Spring, JUnit, JMeter
- Ongoing development process improvements including Oracle to MySQL migration, Maven dependency management, and addition of regression testing to integration builds.
Java, J2EE, JDBC, Spring, Oracle, MySQL, JUnit, CVS
- Testing framework and Ant build system for Nokia Web Runtime widgets, supporting browser based development and simple compilation of widgets for multiple languages and environments.
W3C Widgets, Nokia Web Runtime Widgets, HTML, JavaScript, CSS, Ant

□ **Jan 2008 – Jun 2008: T-Systems Ltd (Contract)**

The Systems Integration department of T-Systems provides bespoke software solutions for a variety of large corporate and public sector clients. My work involved development of bespoke intranet solutions based on the Day Communiqué CMS for DaimlerChrysler and Volkswagen UK.

Java, JDBC, JSP, HTML, CSS, JavaScript, Eclipse, SVN, Day Communiqué

□ **Oct 2005 – Jan 2008: Software Engineer, Centennial Software Ltd**

Centennial develops IT asset management and endpoint security solutions. I have worked on the full lifecycle of two new Java boxed products, including planning, documentation, code development, unit testing, build processes and installation. The core of each product is a J2EE web application using the Struts MVC framework, which is deployed by InstallShield with a self-contained JRE and Tomcat. My achievements include:

- Full lifecycle of a new budget software audit product. As lead developer, I produced documentation and specifications, managed the development team, and built the J2EE web application component.
Java, J2EE, JDBC, SQL, Struts, Taglibs, JSP, XHTML, CSS, JavaScript, Ant, Tomcat, IIS, CVS
- Planning, use cases, schema design, core business logic and user interface development for a new software licence management product. I also implemented a flexible modular build and unit testing system using Ant, JUnit and batch scripts, and managed development of the installer.
Java, J2EE, JDBC, SQL, Struts, Taglibs, Servlets, JSP, Applets, XHTML, CSS, JavaScript, AJAX, Ant, JUnit, Tomcat, IIS, SQL Server, CVS
- Development of a Swing application used to change various settings within a product installation, including Tomcat ports, database connections, logging levels and internet proxy settings.
Java, Swing, CVS
- Database access layer testing framework. Allows a temporary database and connection pool to be established then dropped when each test is complete, so each test starts from a known state.
Java, JUnit, JDBC, SQL Server
- Detailed use case documentation and user interface redesign for the web reporting tool of Centennial's flagship asset management product, focusing on ease of use and standards compliance.
Use cases, XHTML, CSS, Accessibility standards
- Configuration of the Linux servers hosting Centennial's online software catalogue, and development of tools for importing and maintaining the data.
Java, JDBC, SQL, MySQL, Tomcat, Apache, Linux, CVS

□ **Jun 2001 – Sept 2005: Web Developer, GCap Media plc Future Technologies team**

The Future Technologies team develops in-house business systems for GCap Media's DAB Digital Radio stations, and 32 local stations. I played an active role in the planning, design, development, deployment and support of many projects, large and small. My achievements include:

- Web application front-end for an in-house CMS powering 32 websites. Provides a simple interface for creating multi-platform content, creating links between articles, and associating images, audio and video. Includes an applet that allows images to be cropped, rotated and resized without software, and an AJAX drag and drop screen for adding content to websites.
Java, J2EE, JDBC, SQL, RMI, JSP, XML, XSLT, HTML, CSS, JavaScript, AJAX, Applets, VSS
- Planning, schema design, database access layer, event processing logic and administration web application for a multi-threaded Java console application that aggregates schedules and playout system events for all stations in a central database.
Java, J2EE, JDBC, SQL, SQL Server, RMI, Struts, Taglibs, JSP, HTML, CSS, JavaScript, VSS
- Database access layer, business logic and user interface development for an online music download service. XSLT is used to allow re-branding for third-party customers. Winner of the 2004 ntl Commercial Radio Technical Innovation Award.
Java, J2EE, JDBC, SQL, JSP, XML, XSLT, XHTML, CSS, Tomcat, VSS
- Schema design, database access layer, message processing and online user interface for GCap's SMS system, supporting keyword responses, music requests, marketing and premium rate SMS. Winner of the 2003 ntl Commercial Radio Technical Innovation Award.
ASP, SQL, SQL Server, HTML, CSS, IIS, VSS

□ **Personal Projects**

In order to learn new technologies and techniques by using them in real-world applications, I have developed some websites in my spare time. This has given me a greater variety of skills and experience that I have applied to my daily work. These sites are hosted on my own Linux server, on which I have configured Java, Apache, Tomcat, and MySQL, plus SMTP, POP3, FTP and DNS servers. I use Eclipse IDE, with CVS or SVN version control and Ant build scripts.

- Online flight planning tool and GPS log viewer for private pilots. This site uses JavaScript and AJAX extensively to create interactive pages, and integrates with Google Maps and Google Earth. An applet for decoding aviation weather forecasts is included. See www.goflying.org.
Java, J2EE, JDBC, SQL, Struts, Servlets, Taglibs, JSP, Applets, XHTML, CSS, JavaScript, AJAX, SOAP, Axis, WSDL, XML Schema (XSD)
- Art sales website. Includes a CMS that allows administrators to add, edit and remove artworks, enter artist biographies, and manage orders.
Java, J2EE, JDBC, SQL, Struts, JSP, XHTML, CSS, e-Commerce
- Map-based sunrise and sunset calculator. Uses AJAX and integrates with Google Maps. See www.sunrisesunsetmap.com.
Java, J2EE, Spring, JSP, JSTL, XHTML, CSS, JavaScript, AJAX
- Android sunrise and sunset calculator application. See www.sundroid.co.uk.
Java, Android

EDUCATION

- **1998 – 2001: BSc (Hons) 2:1 Biochemistry** University of Bristol
Units including Physics, Chemistry, Immunology, Pathology and Genetics.
- **1996 – 1998: A Levels** Broadoak Sixth Form Centre, Weston-super-Mare
Mathematics (A), Further Mathematics (A), Chemistry (A), English Language (B).

OTHER ACHIEVEMENTS

- **JAR Private Pilot's Licence (Aeroplanes)**
- **Royal Yachting Association Day Skipper Practical and Shorebased**