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Profile

After specialising for 5 years in enterprise applications I have a proven track record of designing and delivering software products both as part of a team and alone. I have experience in leading development teams and I'm now looking to take the experience I have onto leading larger work areas.

Key Skills

- Java enterprise development (Spring, Hibernate, EJB)
- Web development (Grails, SpringMVC, PHP, HTML, CSS & JavaScript)
- Build & Continuous Integration (Jenkins, Codenarc, Cobertura, Findbugs, Selenium, Maven, Ant, Artifactory)
- Source code management (CVS, SVN & Git: <https://github.com/jphart>)
- Geographic Information Systems (GeoServer, MapServer and OpenLayers)

Work Experience

2008 - Current BT Group Engineering Services

Software developer working on secure and security related applications.

2011 - Current Consultant Software Developer

I have spent the majority of the last two years leading development on various projects. I am currently overseeing delivery for a six person development team, supporting a live system whilst concurrently performing requirements capture and designing its replacement.

Overlapping with my current work I put my experience with GIS to turn around a failing mapping product. I reassessed the technology choices made, identified developers with the appropriate skills and planned delivery milestones to get the product back on track.

Prior to the GIS application I worked on a large scale enterprise application spanning a number of technologies for Web interfaces, messaging, system control and data visualisation. Working closely with the customer I captured requirements with user stories and wireframe paper prototypes before designing and implementing a prototype system using the Grails framework.

As the team grown and shifted towards producing a production ready system I moved into design and delivery manager role, managing milestones and writing design specifications for a team of up to 4 developers whilst coordinating test effort with the test team. During the expansion I helped to induct both experienced developers and a graduate into the project area and our way of working. I helped to bring the graduate up to speed with our development processes through pair programming and design reviews. I ensured quality was maintained throughout this growth period by holding regular code reviews, enforcing a high standard of unit testing and catching potential problems early through regular standups.

A proponent of Continuous Integration, I set up a CI build environment using Jenkins to drive our automated testing and static code analysis tools with an Artifactory repository storing external dependencies and our code releases.

2009 - 2011 BT Graduate Scheme

I was seconded for most of my graduate scheme years to a GES customer where I worked with the customers and other contractors to build a information search, storage and collation system. The system was based up the Spring framework, JMS messaging and Hibernate. I implemented web services using Jersey and Jackson to provide access to the customers legacy Perl and PHP systems. I used Apache Lucene to demonstrate full text searching of structured and unstructured documents.

Returning from secondment I project managed two summer students building an offline mapping solution for Android and web using map data from OpenStreetMap. I presented and demonstrated our work to senior GES customers.

2008 - 2009 Software developer

Java J2EE developer working on a 3 tier enterprise application using Oracle, EJB 2 (deployed on Weblogic) with a Eclipse RCP client. My efforts concentrated on the middle tier, where using Restlet I built a Restful JSON interface to enable 3rd party access to our existing services.

Before I joined the project build management and automated testing were lacking. I migrated the code base from CVS to SVN and to Maven for builds, running JUnit tests and static code analysis. This was driven by an early version of Hudson to provide the team with a Continuous Integration environment and Nexus for archiving build artifacts.

2007 - 2008 Web Developer, University of Birmingham

I was the main developer of STACK 2 an open source computer aided assessment tool specialising in higher level maths. I refactored the existing codebase into a OO design and integrated STACK with the Moodle CMS. STACK was written in PHP using a MySQL or PostgreSQL database and used the Maxima computer algebra system.

As well as developing, my role also involved reaching out to the development and teaching communities to publicise STACK.

More information about STACK: <http://stack.bham.ac.uk/>

The source code is available at: <http://sourceforge.net/projects/stack/>

2005 - 2007 Web developer, Wickersley School

I managed and designer of the wickersley.net website, migrating it from a static website to a Drupal CMS. In addition I managed the college's intranet and a minor technical support role.

Education

2002 – 2005 University of Durham

BSc. (Hons) 2(i) Computer Science

Dissertation Title: 'Resource Based Navigation in Virtual Worlds'

2000 – 2002 Thomas Rotherham College, Rotherham

Studied for A2 and AS levels including:

A2 Computing (A), A2 Physics (B), A2 Maths (D), A2 General Studies (C) and AS Geography (A).

1995 – 2000 Rawmarsh Comprehensive School

Ten GCSEs at grade A* to B including Maths and English.