

Patrick Gallagher

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Enthusiastic Computer Systems Engineering graduate with extensive industrial experience in IT. I am looking for a exciting role in software development where I can develop further my expertise and solve business requirement using innovative techniques.

Skills

Technical:

- C:** Developed and maintain Xrcwriter: an extended Python library using Libxml2 to help design desktop applications for wxWidgets
- Java:** Created a challenging graphical game for secondary year pupils to teach Newton's Law of Motion using Swing
- Javascript:** Used Ajax and JSON to build fast secure interactive features into commercial web sites
- Linux:** Over 8 years using and maintaing Linux systems including building Linux from scratch and source based system Gentoo
- MySQL:** Created sophisticated and optimised queries for reporting and analysizing Linux software tasks performance in a user friendly web based application
- Perl:** Over 2 years applying Perl knowledge to developing and maintaining commercial web sites including a hosted Internet security product
- Python:** 12 years python experience including Applied advanced python features to create and develop a secure and robust web site selling pet insurance
- Selenium:** Created a simple and easy to use tool to control and run multiple unit tests displaying the results in an user chosen easy to read format using Python and SQLAlchemy

Communication:

- Responded and solved technical queries regarding the products sold for my current role
- Wrote Test Plan Documents in a coherent and understandable way for non technical users at Websense so that they can test bugs and changes I made with very little knowledge
- Worked in a Call Centre responding to after sales queries and problems

Team Working:

- Worked well in a team to develop and improve a commercial portal site at Websense as well as socialising outside work with colleagues going Karting and enjoying a few friendly drinks
- Worked overtime to make sure a major project improving the look and feel of the hosted product which enormously improved the customer experience using the website

Organisation:

- Used Bugzilla and Microsoft Project to organise project work schedule at Websense which greatly facilitated which bugs were a priority to fix and to get and maintain quality over the time in terms of time spent and quality of code

Problem solving:

- Vastly improved the reliability and integrity of the automated jobs run for my current role by creating an automated logging and reporting tool for jobs which captures all errors and reports job log information in an easy to use web interface
- Significantly reduced the time it takes for one job to run at my current role which imports data from a CSV file every half hour from over an hour to less than a minute, this meant the database load was reduced and the CSV files were processed quickly and effectively

Software Development Experience

Jun 2010 Fisc Ltd – Consultant Software Developer

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- Resolved technical problems, fixed bugs and creating innovative new features for my current role using Per, Python, HTML, CSS, MySQL and Javascript
- Developed a new site to monitor and manage the Linux software jobs used
- Developed a knowledge of the insurance and car sales sector.
- Responded to customer problems with respect to the product

Jan 2008 Websense UK Ltd – Associate Software Developer

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- Feb 2009
- Fixed bugs and making improvements to high profile hosted product aimed at managing hosted email filtering
- Designing Test Plans and quality controlled my own work
- Was involved with a project to improve the look of their portal
- Used Perl and Mason as part of a major project to improve the user experience of the front end portal involving updating the User Interface

Education

Oct 2002 Sheffield University - MEng Computer Systems Engineering 2:2

- Covered developing embedded software in C, Real time control in Ada, Control Systems. Java AWT and Swing, Computer Architecture

Jun 2006

Final year Project: Real time control of a coupled tank system using RTAI-Linux, Scicos and Scilab

- Acquired knowledge of Unix systems and software structure of Linux through building Linux From Scratch
- Used Linux From Scratch to install and use Scilab, RTAI and Comedi

Sept 1998 The Mc Auley Catholic High School

- **A Levels** Maths B, Electronics C, Physics C

Jun 2002 **7 GCSE's** including Maths B, Science B, English