Thomas Whitton

mail@thomaswhitton.com | http://www.thomaswhitton.com | http://github.com/oracal

SUMMARY

An intelligent software developer with strong analytical and problem-solving skills. Very enthusiastic and passionate about technology. Always reading, learning, programming and improving.

TECHNICAL

Experienced with:

- C++, Python, JavaScript and Ruby.
- STL, Boost, Django, jQuery, Node.js and Ruby on Rails.
- PostgreSQL, MySQL, SQLite and NoSQL
- Ubuntu, CentOS and Windows.
- Make, CMake, Git, Vim and GDB.
- Object Orientated Design, Concurrency, MVC and RESTful Architecture.
- Test-Focused Development, Agile and Scrum.

CAREER

Bloomberg (2014 - Present)

Senior Software Developer, Real-Time Applications

- Developed and maintained a C++ application used by the majority of Bloomberg Terminal users.
- Built user interfaces using Bloomberg's proprietary JavaScript framework.
- Developed real-time data services using a combination of C++ and JavaScript.

BAE Systems Applied Intelligence (2011 - 2014)

Senior Software Developer, Electronic Systems Group.

- Developed and maintained complex multi-tiered and multi-platform high-availability systems.
- Designed and developed high speed real-time C++ applications for Linux, with extensive use of the STL and Boost libraries.
- Developed tools and test-harnesses, using C++, Python and Ruby, to aid in end-to-end and component-level automated testing.
- Gained substantial experience using and analysing low-level network and transport layer protocols.
- Developed front-end web applications for various systems using Python, Django, JavaScript and Ruby on Rails.

Defence Science and Technology Laboratory, MOD (2009 - 2011)

Electronic Engineer, Electronic Countermeasures.

- Increased the efficiency of automated testing systems by optimising code and implementing improved algorithms.
- Designed and developed a proof-of-concept device and its microcontroller interface for a long-term research project.
- Researching, implementing and evaluating digital signal processing techniques to increase the performance and efficiency of equipment.

EDUCATION

University of Bath (2005 - 2009)

MSci Mathematics and Physics (First Class Honours).

Chislehurst and Sidcup Grammar School (1998 - 2005)

A Levels: Computing A, Maths A, Physics A, Chemistry C.