CV: Mike Kinghan

This is abridged form of my CV. For the full story, visit
http://coan2.sourceforge.net/index.php?page=cv

Contact me at imk@abstract-art.co.uk

Ideal jobs?

Development, integration, or build & test tooling for an innovating software enterprise.

Synopsis

I am a widely experienced software engineering team leader and software engineer, ScrumMaster, Previsor/Brainbench certified Master in C++ and C, open-source developer of Coan, "The C Preprocessor Chainsaw".

My skillset includes advanced C++ and C; Perl, Python and Bash scripting; GNU toolchain/Make/autotools; cross-platform Windows/Linux development and porting; low-level compiler/library/linker adaptation; test, integration and codeline management techniques.

I am equally fluent in Windows and Linux development environments. My deepest professional experience is in mobile operating system and SDK integration, build and test. I have worked in other sectors including telecomms, enterprise financial software, classroom systems, market research systems and CRM systems.

I have a Previsor/Brainbench rank in the 99th percentile for C++ proficiency and in the 100th percentile for C.

CV: Employment History

These are the headlines of my employment history in the 21st century. For greater detail or older roles, visit my full CV.

Integration & Test Consultant, Ideaworkds3D, London: Sept 2011 - Dec 2011

- Hired as process improvement consulant to introduce mature models and practices for codeline integration and testing in a small, fast growing development business making the Marmalade SDK for cross-platform mobile application development in C++.

Break: Dec 2010 - Sept 2011

- Made redundant in Jan. 2011 with the demise of the Symbian Foundation and took a gap-spell for open-source activities, study and self-indulgence.

Test Lead, Symbian Foundation, London: April 2009 - Dec 2010

- Managed and led the team that integrated, developed and operated the Symbian Foundation's testing and Quality Assurance capabilities, supporting and supported by the Symbian community.
- Alongside my day-job, I did most of the kernel-hacking work on the Foundation's "GCC Surge" initiative, a push to port the core Symbian OS to the open-source ARM GCC toolchain. Windows and Linux based development mainly in C++ with ARM assembler parts
- Also for the GCC Surge initiative, I ported a servicable subset of the Symbian build tools from Windows to Linux and likewise ported the Symbian QEMU virtual machine manager, making it possible for the first time to build the Symbian OS kernel on Linux and boot a Symbian VM on Linux. Linux based development in C++, perl, python, bash, GNU Make and XML.

Technical Team Leader, Developer Build & Test, Nokia, London: Jan 2008 - April 2009

Technical leader of the team that developed, maintained and ran the automated build and test service for Nokia's Symbian OS development teams globally. The service ran on Windows clients and Linux servers and was implemented in Perl, C and Web technology.

Technical Team Leader, Developer Build & Test, Symbian Software Ltd, London: May 2005 - Jan 2008

The same job as the one above, before Nokia's acquisition of Symbian Software Ltd.

Integration, Engineer, Symbian Software Ltd., London: August 2002 - May 2005

"Founder member" of the Integration team in Symbian Software Ltd., putting the pieces together to make Symbian OS. Member of a small team controlling the integration of development commits to the OS mainline to execute release integration plans; responsible for mainline correctness and stability and for "CSI" of mainline breakage or regression.

Consultant Porting Engineer, Systems Union, Farnborough UK: June 2001 - July 2002

Contracted to port Systems Union's enterprise finanical management solution, SunSystems, from MS Windows to Unix. Windows and Linux based development in C++ with STL. My solution took the form of a POSIX compliant cross-platform OS abstraction layer targetable to Windows and *nix hosts upon which SunSystems could be built for each host OS.

Consultant Unix Software Engineer, BT, Bracknell UK: January 2001 - June 2001

Contracted to rewrite the Solaris server daemon that supported BT's Directory Enquiries service. Windows and Solaris based development in C++ with STL. An infrastructure consolidation programme called for a single national directory enquiries server to replace 44 regional ones without deterioration of response. I achieved this by a speed-optimised redesign, employing much faster accessed data structures and a multi-threaded server architecture in place of a slow forking one.

Consultant Windows System Engineer, Research Machines PLC, Oxfordshire UK: June 2000 - December 2000

Contracted to implement security customisations for the company's Windows NT classroom workstation system. I identified a fully satisfactory 3rd party solution that eliminated the need for me to write one. Research machines licensed this solution. For the remainder of my contract I was employed developing user-management features in ActiveDirectory, BIOS security features in C and a template framework for Windows services in C++.

CV: Education

My education had nothing to do with software development. I have a 1st class degree from Queen's University in my native Belfast, in Philosophy, History & Philosophy of Science.

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