

Cross Platform Software engineer with broad spectrum of software technology including:

Development of Compilers and Interpreters	Windows, Mac, Linux, Embedded & Mobile
Computer Graphics. Computer Aided Design	GUI
Build Engineering. Documentation. Scripting	Rapid Prototyping and Demonstration Products

Skills & Platforms

Written and fixed a lot of code. Quick to learn new technologies. Strong in reading and understanding other people's code.

<i>Very</i>	C++ and JavaScript	Visual Studio, Xcode, QtCreator
<i>Strong</i>	Windows, MacOS-X, Linux	Presentations, Training Courses, Public Speaking
	Build Engineering, Printing and PostScript	Prototyping and demonstrations
<i>Strong</i>	GUI (MFC, Cocoa, Qt)	Web technologies (HTML, CSS, HTTP, CGI, ASP)
	Scripting (Perl, Python, bash, cmd/.bat)	Writing documentation
<i>Good</i>	Eclipse, Java, CMake	Database

Experience & Employment

Contract Engineer, Novariant Inc, Fremont, CA. Sep 2008 - Dec 2009 and Feb/Mar 2011 and June 2012-Present
Software engineer for the company's embedded steering controller. This is a robot to drive a farm tractor. Ported the core code (1 million lines of Linux C++) to Windows. Also Windows Utilities, Java UI, Database (SQLite), installers. Web UI and server using Reverse Ajax, JSON and WebSockets. Tools: C++, Visual Studio, Eclipse, bash, perl

Contract Build Engineer, Apple, Cupertino, California, December 2011 – May 2012
Build Engineer on MacOS-X (Mountain Lion. Security Updates for Lion and Snow Leopard). Tools: bash, perl, svn.

Contract Firmware Engineer, Trimble Navigation Limited, Sunnyvale, California, March 2011 – December 2011
Firmware for GPS systems. TM3000 manufacturing firmware. Tools: eCos, C, Trimble Studio, Visual Studio, Cygwin. High-resolution timing product (15nsec accuracy) on ARM/Cortex. No operating system. Tools: IAR Workbench, Code Sourcery (GNU/Eclipse) ST peripheral lib. Desktop Test Harness: Python, wxPython, C/C++, NatI LabWindows/CVI.

Contract Software Engineer, Adobe Systems Incorporated, San Jose, California, May – November 2010
Acrobat Installer Engineer. Replaced compression engine in Mac and Windows installers for Acrobat X. Code and signing, build engineering infrastructure. Tools: C++, DevStudio, Xcode, 7z, python, perl, packagemaker and bash.

Senior Computer Scientist, Adobe Systems, San Jose, CA. 1998-2007
I joined the company in England as a Consulting Engineer (OEM support for PostScript). In 2000 I was invited to relocate to San Jose, CA as a Project Lead Engineer in Core Engineering for the Print Technology Group.

I also spent several years in Core Technology working on ExtendScript (Adobe's JavaScript interpreter).
Presentations at the Adobe Tech Summit. Cross platform code Windows and Apple and sometimes Linux.

Director, Robin Mills Software Consultancy Ltd, Camberley, England
I had my own business for 4 years and had a very successful 3-year contract with AGFA in Antwerp, Belgium to develop AgfaScript, which is a cross-platform PostScript interpreter (Solaris, AIX and Windows).

Open Source & Professional Activity

<i>Exiv2</i>	C++ library for exif metadata	Build Master. User support. Mentor: Google Summer of Code
<i>pyexiv2</i>	C++ wrapper calls exiv2 from python	Windows and Mac build and support.
<i>Phatch</i>	Photo batch processor	Windows and Mac build and support. Mac installer.
<i>CocoaTutorials</i>	Obj/C and Cocoa tutorials	Owner. I wrote all the code and the tutorial documents
<i>Atomical</i>	OpenGL Molecular Modeler	Qt UI (Mac, Windows, Linux)
<i>QtSee</i>	Browser/Photo album viewer	Qt UI (M/W/L). QtScript extensions
<i>Forums</i>	hintsforums.macworld.com	forum.whatismyip.com/(founding moderator)

(Contact information available on request) Education & References

University of Glasgow, Scotland. B Sc with First Class Honours in Engineering.
Nationality: Citizen of the United States. Robin is Scottish and a citizen of the United Kingdom and European Union.

Dennis Connor	VP of Engineering, Novariant Incorporated, Fremont CA
Richard Dermer	Senior Computer Scientist, Adobe Systems Incorporated, Seattle WA
Jim Poje	Senior Computer Scientist, Adobe Systems Incorporated, San Jose CA

Address & Contact Information

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