

Jim Roepcke

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Education

University of Victoria, Victoria, BC

September 1993 - August 1994, Summer 1998, September 2004 - Present

Entering 4th year of a B.Sc. Majoring in Computer Science (Graduation: April 2008)

Big Nerd Ranch, South San Francisco, CA

January 2002

Programming Mac OS X with Cocoa

Apple Enterprise Training, Cupertino, CA

March - April 1999

Programming WebObjects I

Programming WebObjects II

Spectrum Community Secondary School, Victoria, BC

June 1993

Graduated with Honours Standing

Computer Skills

Programming Languages

Java
Objective-C
C
Python
Visual Basic / VBA
Pascal / Object Pascal
UNIX Shell Scripting
JavaScript
Perl
VBScript
Haskell
Prolog
UserTalk
HyperTalk
AppleScript
REXX

Development Tools

Apple Xcode and WebObjects
Eclipse
NetBeans
gcc
Frontier
Poseidon for UML
HyperCard

Databases

Microsoft SQL Server 6.5, 7.0
Oracle 8i
PostgreSQL
MySQL
OpenBase
FrontBase

Operating Systems

Mac OS X 10.4 Server
Mac OS X 10.0 - 10.4.9
Windows NT4/2000/XP
Ubuntu and Fedora Linux
IBM OS/2
BeOS
OpenStep

Networking Services

Apache Web Server
Apache Jakarta Tomcat
IIS 3.x – 5.x
Cyrus IMAPd
Mailman
Zope, Plone

Recent Work Experience

JSO Solutions: Plone Content Management System implementation

August 2005, August 2006, sub-contractor

- Integrated custom design and functionality for the WorkSourceAustin and GDAACC web sites.

First Peoples Cultural Foundation: WebObjects/Java application development

June 2006, contractor

- Implemented four XML-producing WebObjects applications that integrate with Flash-based games.

Tyrell Software Corporation: WebObjects/Cocoa/Plone/Java Engineering

February 2002 – January 2007, full-time until July 2004, then a contractor during summers

- Development of a Zope3-based Plone application that uses a PostgreSQL database.
- Development on B2C auction web site using Hibernate, Tapestry, Spring, Eclipse.
- Senior Architect and lead developer on secure, multi-threaded, network-oriented, WebStart-deployed Java Swing application with custom Java Servlet back-end for major movie studio.
- Led many Plone CMS implementations. Deployed many web sites using Plone 1.x, Plone 2.x.
- Created and maintained the Plone Installer for Mac OS X from 1.0 through 2.1.2.
- Assisted in porting the OpenNMS network management system to Mac OS X.
- Created a secure System Preferences Pane for OpenNMS for Mac OS X using Cocoa.

NetStruxr Inc.: WebObjects Engineering

March 2001 - January 2002, full-time

- On a world-class team of WebObjects developers, I contributed to the engineering effort for SPACEdirect 2.0, 2.1, 2.2 and 2.3 using WebObjects and its rule-based Direct To Web framework.
- Designed and implemented many new features for the SPACEdirect applications.
- Generation of RTF reports using custom Direct To Web components.
- Contributed to the open source Project WONDER frameworks for WebObjects.

WROX Press: WebObjects Technical Author

July 2001 - September 2001, contractor

- Wrote 1.5 chapters about Direct To Web for the book “Professional WebObjects 5.0 with Java”.

M. Onyschuk and Associates: Manager of Operations, West Coast Office

February 2000 - August 2000, full-time

- Designed and implemented a distributed, load-balanced XML-RPC client and server architecture in Java, with client-side wrapper classes for WebObjects and a Java wrapper for a Win32 C-API convertible-bonds calculation DLL.
- Designed and implemented a multi-protocol data router system for scheduled and on-demand data transfer and transformation. Embedded the Mozilla Rhino JavaScript engine for data transformation.

Centre for Education Information (CEISS): Senior Systems Analyst, Web Services

August 1997 - December 1999, contract and full-time

- Lead architect of the redesigned PASBC service, which provides online admission forms for the majority of public colleges and universities in British Columbia. The system was written in Objective-C using WebObjects 4.0.1, using Oracle and Netscape Enterprise Server.
- Developed a two-day UserLand Frontier training course, and delivered it to a group of 9 students, covering Frontier as a team-based dynamic web site management tool.

About Me

I am **passionate** about software, programming, and online communication.

A day doesn't go by without learning about software development, from online sources or from my growing personal library. I enjoy keeping current with industry and academia, and believe it's critical for serious software developers to be informed about current trends and ideas. I am a student member of the Apple Developer Connection (ADC) and the Association for Computing Machinery (ACM).

I have maintained a personal weblog, "have browser, will travel", since June of 1999. When I started weblogging, approximately 300 weblogs were known on the web. Technorati now tracks over 70 million!

At the University of Victoria, I have been associated with the Computer Science Course Union since 2004, most recently serving as its Vice-President this year. Through this group, I currently serve on the Computer Science department's Curriculum, Web, and Teaching Infrastructure Committees.

Other Skills

Communication Skills

My writing skills are excellent, and I am a clear, confident speaker. I am comfortable speaking in front of an audience, and can facilitate meetings and brainstorming sessions. I enjoy communicating with others. I am an effective note-taker, and thrive in distributed, collaborative work environments.

I am very good at determining a client's needs through listening and carefully asking questions. Past employers often wanted me at client-facing requirement gathering meetings because I can help clients better understand their needs, design options and the benefits and risks involved with design choices.

Interpersonal Skills

I am a friendly, polite person, with a positive attitude. I work well with others, and deal with uncomfortable situations in a careful, professional manner.

Learning Skills

I have a high capacity for learning, pick up new skills and concepts quickly, and thrive on challenges. Enthusiasm and creativity give me an edge on tough projects. Many consider me to be an "out of the box" thinker.

Problem Solving Skills

My tenacious analytical skills help me troubleshoot problems and discover root causes.

Awards and Scholarships

Apple Developer Connection

WWDC Student Scholarship, 2005 and 2007

Ministry of Multiculturalism Scholarship

All expenses paid, three-month trip to Kyoto to study Japanese culture, 1992

University of Waterloo National Mathematics Competition

Certificate of Distinction, 1991

References: available upon request