

# Trevor Wekel

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**Profile** An experienced IT professional with 14 years of experience in geospatial applications, client server frameworks, networked applications and simulation applications. Possesses knowledge in object oriented design, development tools and languages. Strong technical skills with primary activities being application architecture and design, development and project management.

**Experience** July 2009 to present OTX Systems Calgary, AB

**Owner and Principal**

- Founded a Software Development and Consulting firm specializing in GIS/Geospatial applications and internet hosting of those applications
- Nominated to the Project Steering Committee of MapGuide Open Source
- VMware Certified Professional on vSphere 4.0

2008 to July 2009 Autodesk Calgary, AB

**Customer Response Technical Lead**

- Customer response technical lead for MapGuide Enterprise
- Responsible for analyzing issues in customer's production environments and providing critical hotfixes and service packs for MapGuide Enterprise
- Liaised with product management, product support, and software development teams to help prioritize and assign hotfix and service pack work.
- Active in the MapGuide open source community. Currently collaborating with the community on open source builds by implementing Xen and NFS based virtualization infrastructure for the community.
- Additional technologies and tools include the Grinder, Eclipse CDT, CentOS, and Xen

2004 to 2008 Autodesk Calgary, AB

**Web Technical Lead**

- Technical lead for MapGuide Enterprise Web Server Extensions -- a cross-platform web-based geospatial application framework
- Responsible for architecture, prototyping, and leading the development team.
- Lead member of team responsible for improving SWD and QA development and testing infrastructure.
- Technologies include C/C++, PHP, .Net, JSP, IIS, Apache, Tomcat, SWIG, XML, ACE, AJAX
- Tools include Microsoft Visual Studio 2003-2008, gcc, Parasoft Insure++, GlowCode, JMeter, WebLoad, Perforce, Subversion, VMware ESX
- MapGuide was contributed to the open source community <http://mapguide.osgeo.org> and is an active project with strong community support

2001 to 2003 Autodesk Calgary, AB

**Senior Software Developer**

- Server-side developer for MapGuide 6.x series for three release cycles
- Considered resident expert in raster data formats and licensing technologies
- Administrator for Perforce source code vault
- Technologies include multi-threaded C++, COM/DCOM
- Tools include Visual Studio .Net, Parasoft Insure++, Rational Purify and Quantify

1998 to 2000                      CP Rail                                      Calgary, AB

**Lead Engineer**

- Designed and developed application to replace existing mission-critical distributed client server system.
- Acted as project manager and technical leader.
- Maintained development instance of Oracle 8 database.
- Key technologies included Oracle OCI and sql, a client side C++ based GUI using Zinc, public domain cryptography software, Unix inetd services, and TCP/IP sockets.

1995–1998                      Hyprotech                                      Calgary, AB

**Research and Development Engineer**

- Maintained and improved application infrastructure for simulator products Provided support and mentoring to junior developers
- Acted as coordinator and liaison for development between groups
- Technologies included Microsoft's Win32 API and COM

**Education**      2007-present                      University of Calgary                                      Calgary, AB

- Enrolled in Management Certificate Program

1987–1991                      University of Calgary                                      Calgary, AB

- B.Sc. Electrical Engineering, computing minor with Distinction

**Awards**                      1991-1993                      University of Calgary                                      Calgary, AB

- Natural Sciences and Engineering Research Council Postgraduate Scholarship
- Alberta Microelectronics Research Scholarship

1987-1988                      University of Calgary                                      Calgary, AB

- University of Calgary Matriculation Merit Award

**Interests**                      Virtualization technology, web hosting, fishing