

Ken Kwasnicki

Senior: Internet Programmer • Software Developer • Technology Consultant

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Summary

I am a programmer with over 15 years of experience, a B.Sc. in computer science, and a lifelong passion for computers and technology. I have expertise in web application programming and software development.

- Working with team members: managers, designers, ui specialists, and other programmers.
- PHP, Perl, Javascript/Ajax/jQuery, CSS, Java, GWT, and database driven web applications
- Linux system and server installation, configuration, and administration.
- Database design, administration, and application development.
- Software development in C/C++ for Linux and Win32 Windows platforms.
- B.Sc. Computer Science, University of British Columbia

Skills Matrix

PHP, Perl, (LAMP)	Advanced 6yrs (PHP) 9yrs(Perl)
Javascript, jQuery, Ajax	Advanced 10yrs
MySQL, PostgreSQL, SQL, Relational DB design	Advanced 6yrs
HTML, XHTML, CSS	Advanced 15yrs
Linux (Slackware, Redhat, Fedora, CentOS)	Advanced 18yrs
Java, JSP, GWT, Ant, Tomcat	Intermediate 2yrs
C/C++, Win32	Intermediate 3yrs
GIS – Grass, R, PostGIS, Saga	Intermediate 2yrs
Image processing using GIMP	Basic 1yrs

Work History

Electronic Arts

Jan 1st, 2011-Current

PHP Software Developer - Contract

As a senior PHP developer I have been contracted to further the development of the “OPSR” (Online Project Status Report) tool, an intranet application used for managing the team’s projects and resources. The tool is built on a custom object oriented PHP framework having database, presentation, and business logic abstraction models.

My tasks include:

- Object Oriented PHP development, MySQL DB design with trigger/procedure coding.
- Enhancing and adding new tools to the application used daily by the team as well as QA and build/deployment scheduling teams.
- Development of an application for managing the Omniture tagging for all entities on a site using a hierarchical “nested set” database model and drag-and-drop tree style user interface.

Technologies used: OO PHP, Javascript/jQuery, HTML/CSS, Eclipse, MySQL, Perforce, Jira, Omniture.

Parvia.com Landscaper
Java/GWT Software Developer

<http://parvia.com/>

2009-2010

Parvia is a new product for building miniature model landscapes and towns using plastic pieces that snap together. A major component of the parvia.com website is a tool called the Landscaper that allows visitors to create customized landscapes. I was contracted to complete the application by fixing numerous problems and adding missing features, ultimately bringing the application to public launch on April 5th, 2010.

- Interactive “CAD” like application built on Java/GWT
- Eclipse IDE with GWT and Subversive plugins.
- Linux + Apache + Tomcat setup using mod_jk and ssl.
- Work with other Java developers, learn, debug, and extend existing code.

Simplebooklet.com and Middlespot.com
Founder – Software Architect – Lead Developer

2007-2011

Simplebooklet.com is an online booklet/brochure authoring tool and its sister application Middlespot.com is a virtual cork board interface that lets you post notes, images, videos, files and almost anything you can view in your browser on an infinite moveable space. I am responsible for server and client side programming, system architecture, layout coding, and the middlespot technology roadmap. I also collaborate with my co-founders on business development strategies, marketing, budgets, patent authoring, research and development.

- Front end UI uses jQuery/Javascript, Ajax, CSS3, HTML5 and development of a mobile web version.
- Backend server code and database are based on the LAMP stack: Linux, Apache, MySQL, and PHP.
- Extensive API integration (including Facebook, Yahoo BOSS, Amazon, OpenX, Twitter).
- Cloud architecture using Amazon EC2 and S3 environments.

Technologies used: jQuery/Javascript, PHP, MySQL, Amazon EC2/S3, Facebook, Twitter, Linux, Apache.

Lift Digital Media Inc.
PokerWingman Poker Odds Calculator
Contract Software, Website and Database Developer

<http://www.pokerwingman.com/>

2005-2010

PokerWingman.com is a utility application for online poker players designed to automatically read game information from their Windows poker client and generate real time poker odds. I guided the client through the process of building this application from concept inception to implementation. As sole developer I continue to be responsible for all programming for the application, website, e-commerce, and database as well as advising the client on technical architecture, hosting, user interface, affiliate systems, third party software integration.

- Built as a native Win32 Windows application written in C/C++.
- The application communicates with a web server to retrieve automatic product updates, xml data feeds for dynamic poker room support, product license validation, real time product activity logging.

Technologies used: C/C++, PHP, MySQL, XML, CSS, Javascript, HTML, Element5 Ecommerce, OpenX, Apache, WiX Installer.

University of British Columbia – Department of Fisheries
GIS Visualization of Mountain Pine Beetle Affected Forests
Consultant

2006 – 2010

Created a visual 3D representation of the mountain pine beetle affected forests to be used as a decision support tool in the Immersion Lab of the AERL building at UBC.

- Develop a database structure for housing a warehouse of GIS data for the province of BC at the one hectare resolution level yielding approximately 100 million rows of data, including stored procedure programming for performing updates, and PostGIS queries for performing efficient retrievals.
- Grass GIS (with Nviz) software used to render 3D landscape and pine tree representations

Technologies used: Linux (CentOS/Slackware/Cygwin), PostgreSQL/PostGIS/PGPLSQL, Grass GIS, R, SAGA.

Riptown Media
Poker Odds Calculator

2006

Consultant and Contract Web Application Development

Web 2.0 based poker odds calculator utility application for Texas Hold'em style poker game analysis. My responsibilities included consulting with the client during the initial project conception and requirements, working with their designer to define the application features, UI and layout, and then implementing all functional aspects of the UI using a web 2.0 interface with Javascript/AJAX, and server side application programming in Java.

Technologies used: Java, Apache/Tomcat, Ant, CSS, Ajax, Javascript, HTML.

TELUS Communications

2001-2003

Senior Programmer

Following the successful exit and acquisition of Columbus Group I transitioned to senior programmer for TELUS communications. I was largely responsible for development on Telus.com and Telus Intranet projects, as well as new web related R&D projects such as TELUS Homesitter – a Java based video surveillance system. I also consulted for Telus' existing web development team in Calgary where I contributed new functionality to a number of their existing Alberta clients such as the Calgary Flames and Institute of Chartered Accountants of Alberta.

- Technologies used: Java (Jsp, Servlets, Struts, Resin, Tomcat, JBoss, WebSphere), Perl, Javascript, Livewire, Broadvision, MySQL, Linux, Windows, Apache

Columbus Group Communications

1995-2001

Title: Partner – Chief Technology Officer

Columbus Group was a prominent web development firm in Vancouver and Toronto during the mid 90's. As one of the first employees, I was made a partner and CTO and remained with the firm until our successful acquisition by TELUS communications in 2001.

Programming being my passion I always maintained a development role and worked on numerous client projects with exposure to a wide array of technologies. I was also responsible for building and managing our team of diversely skilled programmers who ranged from co-op students to highly experienced software consultants.

- Clients (partial list): BCTEL/TELUS (Internet and Intranet), Manitoba Telephone Systems, BC Hydro, Westcoast Energy, Citizens Bank of Canada, Snapple, Orcabay.
- Technologies used: Perl, Java (jsp, servlets, struts, resin, tomcat, jboss), Javascript, Livewire, Broadvision, LDAP, MySQL, Oracle, Sybase, mSQL, Linux, Windows, Apache, IIS, nGage (Qunara) e-commerce