

Neil Kandalgaonkar

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Goal

To use my programming and visual design skills to improve people's lives.

Technologies

Java, Perl, Javascript, Python, XSLT
XML, HTTP, HTML, SMTP, SOAP
Apache, mod_perl, Java servlet engines, MySQL, Oracle, Microsoft SQL Server
Unix (Linux, Solaris, *BSD), Windows (most variants)

Software experience

Software Engineer, Google

September 2005 - October 2006

I was part of the team that launched [Google Checkout](#), an online payments system. The project is Java-based, and also employs many other in-house technologies.

My primary role was to refactor Google Checkout for non-US markets. I touched almost every layer of the system:

- Modified Google's cross-product login system to handle Checkout's unique requirements.
- Modified the frontend experience and checkout flow, especially the AJAX-driven portions.
- Redesigned parts of the data store, a hybrid of relational and other technologies.
- Extended the XML API used by merchants, and wrote user documentation.
- Made translation of the user interface more efficient, via modifications to the product build system.

Developer, Enfold Systems

April 2005 - July 2005

[Enfold Systems](#) provides consulting and enterprise tools for Plone, an open source, Python-based content management system. I left the company amicably when I got a job offer from Google.

At Enfold, I helped streamline build processes, added some features to their web proxy product, and improved the usability and genericity of the product install system.

Lickr, open source project

April 2005

[Lickr](#) was a 'facelift' for the popular photo sharing site Flickr. Lickr users could substitute Flickr's existing Macromedia Flash interface for an equivalent AJAX interface. Many users preferred it to the original for speed, stability, compatibility with more operating systems, and other innovations.

Consultant, Vision2Hire Solutions

May 2002 - November 2004

[Vision2Hire Solutions](#) provides online human resources software, based on Perl. I created reporting systems, a US Equal Employment Opportunity compliance module, and integrated their site with partners using Web Services. Along the way I refactored much of their codebase and improved development practices.

Developer, ActiveState Corporation

September 2000 - December 2001

[ActiveState](#) caters to professional developers working with scripting languages such as Perl, Python and PHP. I moved across the country for the chance to work with their stellar team. I started in web development, and later moved into Language Technologies.

- Standardized API and configuration system for a spam filtering and email processing engine.
- Re-engineered [Programmer's Package Manager](#) Server, a core advantage of the company's developer tools. This system searches for and installs scripting language add-ons.
- Helped architect the [ActiveState Programmer Network](#), both a portal website for developers and an online product licensing system.

Systems Architect, Stylus Strategic Communications

June 1997 - November 1999

At Stylus, I designed and programmed web applications for some of Canada's most successful corporations.

- Webmaster and web applications programmer for Bell Canada Enterprises (BCE), and subsidiaries such as BCE Emergis, Bell Canada International, and CGI Group.
- Created web-based video/slideshow systems to broadcast corporate events over the Internet, over dialup modems.
- Re-engineered a major text-based wire news service for multimedia capabilities.
- Motorsports race news website, enabling real-time collaboration among photographers, journalists, and translators around the globe.

Other experience

- Tutor with [Frontier College](#), at Britannia High School in East Vancouver, 2005
- [Font designer](#), *A Handbook of the Cherokee Verb: A Preliminary Study*, Cherokee National Historical Society, 2002
- Webmaster, Concordia Computer Users Group, 1995-6
- Production Manager/Editor/Webmaster, various university and college publications, 1989-95

Education

Bachelor of Arts, Communication Studies, Spring 2000
Concordia University, Montreal, Quebec

Languages

English, French

Activities

Photography and visual arts.

References

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