

David W Davis

xantus@xantus.org

<http://xant.us/>

<http://xantus.tel/>

Summary

Software Developer, and Project Manager experienced in a wide variety of web technologies. Particularly interested in client/server applications, ajax and comet.

When I was at Six Apart, I created a JavaScript and CSS concatenation plugin for Perlbal. Large lists of JS and CSS source files could be loaded with a single URL, significantly speeding up page load times. The last-modified header is also supported to avoid resending data. It is still used on all of Six Apart's products, Vox.com, MovableType, Typepad, and their former product Livejournal.com (Look for the long comma separated script and link tags in the sources)

I've built the following types of servers in Perl: FTP, SMTP, IMAP, HTTP, HTTP/DAV, IRC, SOCKS5, HTTP Proxy, Comet, BOSH

I have also built a web desktop at <http://cometdesktop.com/> that includes live demos of my work with cross domain comet and web sockets with data framing. The IRC and Jabber clients process raw protocol data proxied through a custom built scalable HTTP server and socket proxy (sprocket.gateway). The web server is built on top of my very own networking framework in Perl, which is available online and is open source. (Sprocket.HTTP)

Specialties

Started the Cometd project with Alex Russell of Dojo (Who also Coined the term, Comet), and Greg Wilkins of Webtide (Created Jetty). We also authored the [Bayeux protocol](#).

I was the first to create a pseudo-socket library in a browser (Web Socket).

Experience

- **Software Architect**

[Ext JS](#)

(Privately Held; Internet industry)

November 2009 — Present

JavaScript Engineer

- **Senior Software Engineer**

[Campus Explorer](#)

(Privately Held; Internet industry; Santa Monica, CA)

January 2009 — October 2009

JavaScript and Perl Engineer

Created various admin tools, and site widgets using the Ext JS toolkit.

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- **Software Engineer**

Six Apart

(Privately Held; ~200 employees; Internet industry; San Francisco, CA)

October 2005 — October 2008

JavaScript and Perl Engineer

Created various base libraries and techniques vital to Vox's ajax interface

Created a concatenating Perlbal plugin to combine all or most JS and CSS requests into one

Added rich text editing to Movable Type Open Source (MTOS)

Added a web based source file editor to MTOS

Adapted YUI's Rich Text Editor for Typepad, including various plugins: source mode, spellcheck, page breaks, and full screen editing.

Load testing, profiling, and ad server maintenance for the core tech group

- **Software Engineer**

Unnamed defunct company

(Internet industry; defunct in '05)

September 2004 — September 2005

JavaScript and Perl Engineer

Built an automated four line conference call recording system using a voictronix card and Perl

Created a non-profit website in mod_perl

Due to legal reasons I cannot name the company.

- **Software Engineer**

Smooth Corporation

(Privately Held; ~100 employees; Retail industry; Bellevue, WA; defunct in '08)

2001 — December 2003

Perl Engineer

Converted the entire Cornerhardware.com site from Perl cgi scripts to mod_perl (has since been sold and converted to something php)

Created a shipping quote system that contacted all of the shipping suppliers API systems in parallel, shortening the time it took to mere seconds, instead of a minute or more.

Maintained and added shipping API's as needed.

Created an in house custom survey system similar to survey monkey before survey monkey existed.

Introduced the company to the Software PBX, Asterisk. I tested, implemented, and transitioned them to Cisco phones and Asterisk on a PRI/T1.

Helped a coworker link the Bellevue, WA office with the office in Manila (Philippines)

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- **Soldier**

- **US Army**

- (Military, Signal Corps)

- 1996 — 2000 (4 years) (EOS: 2004, 8 years)

- MOS: 31U Signal Support Systems Specialist (changed to [25U](#)), Secondary 95B Military Police (changed to [31B](#))

- Rank: SPC (E4)

- Security Clearance: Secret

- Trained at Fort Jackson, SC and Fort Gordon, GA

- South Korea — Waegwan, Taegu, Pusan, Incheon Air Base, Incheon, Seoul, etc

- 1997 — 1998

- Stationed at 57th MP Co, Camp Carroll. I traveled all over South Korea in Military Police operations.

- Fort Hood, TX

- 1998 — 2000

- Stationed at HHC 1-22 inf. I was in [Task Force 21](#), the army's first digital brigade. My team was integral to the testing and maintenance of [FBCB2](#) systems in 1st Brigade 4th ID.

- I was also the Comsec (Communications Security) controller for 1-22 inf (Encryption Keys, etc). During my two years at Fort Hood, I received several Army Achievements and Army Commendation Medals.

- Notable coins received: 8th Army CG, 8th Army CSM

Education

- **Lincoln High School**

- 1995 — 1995

- Tacoma, WA. Attended half of the year, and graduated early.

- **Tahoka Jr/Sr High School**

- 1989 — 1994

- Tahoka, TX

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Recommendations

"David is a consummate engineer, detail-oriented, always exceeding the requirements of the task at hand, constantly building and innovating. His code and design patterns are solid and he's a pleasure to work with." - May 20, 2008

Randy Reddig, *Engineering Manager, Six Apart*

More available on request

Additional Information

Websites

- [My Website](#)
- [Comet Desktop](#)
- [My Blog](#)
- [CPAN Suggest](#)
- [Sprocket](#)
- [Subversion Repos](#)
- [Git Repos](#)

Interests

Perl, JavaScript, New technology, Comet, AJAX, Event systems, Open Source, R&D, Ext JS

Groups

-  CPAN Developers
-  Open Source
-  dojo toolkit
-  Perl

Honors and Awards

Several Army commendation medals (ARCOM), Secret security clearance