

Kenneth M. Sternberg

314 S. 180th Ct, Burien, WA 98148

HOME: 206.388.4575

CELL: 206.618.3302

EMAIL: sternberg@speakeasy.net

Relevant Experience:

Senior UI Developer – 2001 - 2009

Isilon Systems, Inc

- As sole developer of the Isilon Web User Interface from 2001-2006, I wrote the DHTML/Javascript browser-based command and control application as well as the Python-to-C interface for the Isilon appliance, and the Python/Django application server. The Isilon IQ, with my UI, led to Isilon's 2006 IPO with a value of over \$100 million.
- From 2006-2009, I developed rich web interfaces for related Isilon products including the SmartConnect DNS distributor, SnapshotIQ software, and Isilon SmartQuotas, using Prototype/Scriptaculous and Ext-JS on a standard LAMP platform.
- Developed a test-driven development program for UI development with FireWATIR, WebUnit, and Cucumber.
- Maintained the Apache webserver and Python language base components of the Isilon IQ Appliance.

Systems Software Developer – 1998 - 2000

F5 Networks

- Merged previously separate C++ GUI and C console libraries for low-level appliance interface, effectively halving maintenance time and doubling resources.
- Created Perl-based health-check code using off-the-shelf libraries to administer back-end services and automate quality of service systems.
- Wrote and maintained Perl/Curses boot-up system for four generations of F5 appliances.

Systems Software Developer – 1994 – 1998

CompuServe Information Services Internet Consulting Division

- Managed over sixty corporate and small-business websites simultaneously using an in-house, Perl-based monitoring system. I developed a collating web-management toolkit, compiling all relevant information about a web server farm into a single set of documents for ease-of-monitoring, reducing management time by 80%.
- Implemented a secure pull-technology distribution server system for testing and updating corporate websites off-line in Python, generating \$140,000 a year.
- Innovated the first commercial use of OraPerl, allowing customer Pacific Power to use an Oracle-based database directly on the web.
- Launched the first multi-homed commercial web service in 1994 on Linux and SunOS 4.1.3.
- Designed and implemented in Perl, C++ and Oracle a new customer registration toolkit for Internet appliances, generating 40,000 new accounts.

Webmaster – 1994 - 1996

National Center for Missing and Exploited Children

- Conceived, designed and implemented a complete end-to-end solution for translating NCMEC's BBS-based missing-children image library into an on-line database with search engine, automatic banner generation, and administrative console, using Apache, MySQL, Perl, HTML, CSS, and Linux.

RELEVANT SKILLS

- LAMP Deployment
- Python, Perl, Ruby, PHP
- HTML/XHTML/DOM
- Javascript/ECMA
- CSS
- SQL
- Unix shell programming
- Unix server administration
- Information Architecture
- Appliance UI design

RELEVANT TOOLS

- SVN/Subversion
- Bugzilla/Trac
- Doxygen
- Apache
- Webware
- Django
- Rails
- Wordpress
- MediaWiki
- MySQL
- EXT-JS
- Prototype/Scriptaculous
- Dojo
- jQuery
- Gimp/NetPBM
- Autoconf/Make
- FireWATIR/Cucumber

OTHER PROJECTS

- Python's UUECODE library
- Linux driver for the Microsoft Sidewinder Joystick without Force Feedback
- Documentation and Time-to-Service modifications, Apache mod_log.c
- Thinksaber, a toy that turns a Linux Thinkpad into a lightsaber
- Custom Wordpress themes for three political campaigns and one non-political fund-raiser
- Rails-to-PHP interface connecting a Rails-based portal site to PHPBB.
- Django-based intranet tool for teaching x86 Assembly language.
- Django-based publishing platform for fiction.