

## H. Todd Fujinaka

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QUALIFICATION SUMMARY      Knowledgeable software and hardware engineer with experience in Unix/Linux projects including database applications. Involved with industry standards associations for printing and Linux. Highly qualified in problem solving and troubleshooting computer applications and technologies. Proficient at creating presentations for internal and external clients.

### EXPERIENCE HIGHLIGHTS

#### **Software Engineering**

- Developed and architected sections of an object-oriented, web-based, and Oracle-backed medical informatics application written in PHP, Perl, SQL, and PL/SQL.
- Developed test applications for Linux Standard Base (LSB) project, including test programs for the CUPS printing system.
- Ported applications for use in the LSB development environment.
- Examined thousands of Linux applications, commercial and open source, to check library and interface usage for LSB.
- Created a résumé parsing application in Perl with output in SGML for a business encyclopedia.
- Demonstrated Intel dual-processor workstations at trade shows and OEM events including the logistics and setup. Set up NewTek Lightscape, 3D Studio MAX, Real Server, and Windows Media server.

#### **System Administration**

- Set up and maintained commercial servers with RedHat from 5.2 to RHEL 4, Solaris 2.6, and NetBSD. These servers ran Apache 1–2 with Oracle 8–10 and PHP4–5. Backup used abackup and Legato. Additional services running included sendmail, procmail, and virus scanning. Monitoring with Big Brother, mrtg, and nagios.
- Maintained and configured networks for small and start-up businesses with Netopia R9100, Cisco 26xx, ipchains, ipfilter, OpenSSH, bind, and PoPToP VPN, and evaluated Shiva LanRover Express, Elixir Opus, and Jetform printing software.
- Performed front-line technical support for DSL and dialup (POTS & ISDN) customers. Supported users of Windows NT 4.0, Windows98 and MacOS on a NT network using NT Small Business Server.

#### **CMOS IC Design**

- Designed CMOS timing circuitry using Verilog, SPICE, Motive, Cadence Composer, Analog Artist, Spectre, Mentor Design Architect, Altera MAX+PLUS II, and Xilinx XACT tools.
- Led a project designing a mass-produced CMOS 8-bit single-chip microcontroller including on-chip timers, A/D-D/A converters, dual port RAM and UART/SIO. Followed the project specification, layout, simulation, to high-volume production test.

EMPLOYMENT HISTORY	<b>Software Engineer</b>	<b>Intel Corporation</b>
	September 2005 – Present	Hillsboro, OR
	<b>Software Engineer &amp; System Administrator</b>	<b>Verinform Systems, Inc</b>
	February 2004 – September 2005	Portland, OR
	<b>System Administrator</b>	<b>Spire Technologies</b>
	October 2000 – March 2001	Portland, OR
	<b>System &amp; Network Administrator</b>	<b>Zairmail, Inc.</b>
	December 1999 – September 2001	Portland, OR
	<b>Technical Marketing Engineer</b>	<b>Intel Corp &amp; CDI</b>
	February 1999 – November 1999	Hillsboro, OR
EDUCATION	<b>VLSI Design Engineer (Temp)</b>	<b>Credence Systems Corp.</b>
	October 1995 – March 1996, August 1996 – December 1998	Beaverton, OR
	<b>UNIX System Administrator</b>	<b>Sapient Health Network</b>
	April 1996 – July 1996	Portland, OR
	<b>Product Marketing</b>	<b>Tektronix, Inc.</b>
	November 1991 – July 1992	Beaverton, OR
	<b>Microcomputer Design Engineer</b>	<b>Mitsubishi Semiconductor</b>
	July 86 – October 1991	Itami-city, Japan
	<b>M.S., Computer Science</b>	<b>Portland State University</b>
	August 2003	Portland, OR
<b>B.S., Electrical Engineering</b>	<b>Massachusetts Institute of Technology</b>	
June 1986	Cambridge, MA	
<b>B.S., Chemistry</b>	<b>Portland State University</b>	
March 1995	Portland, OR	
<b>B.A., English</b>	<b>Portland State University</b>	
August 1995	Portland, OR	
COMPUTER LANGUAGES	C, Perl, Oracle SQL, Oracle PL/SQL, MySQL, PHP, $\LaTeX$ , sh, csh; also C++, Java, Haskell, SmallTalk, ML, Scheme, Spice, VHDL, Verilog, HTML, Prolog.	
OPERATING SYSTEMS	Linux, NetBSD, Solaris, MacOS 9, MacOS X, WindowsXP.	
LANGUAGES	Second-Level Certificate in Japanese Language Proficiency 1989	