GARY B. PECK

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Skills and Abilities

Listed in order of most-recently used. Bold items indicate extensive experience.

Programming Languages

Python, **Shell Script**, Perl, JavaScript, Ruby, C/C++, SQL, **PHP**, Java, MIPS assembly, Scheme, Pascal

Document/Data Languages

HTML/XHTML, XML, CSS, RDF, XSLT

Protocols

SIP, **DNS**, **SMTP**, **HTTP**, **TCP**, **IPv4**, IPv6, X.509, PGP, XMPP, LDAP, **DHCP**

System Administration/Software

Linux (Ubuntu, Debian, Red Hat), Git, **Bind**, **Postfix**, Hitachi AMS, Solaris, Apache, Netfilter, FreeBSD, MySQL, Windows, PostgreSQL, ejabberd, OpenLDAP, NetApp

Other Technologies

PKI, Distributed Filesystems

Languages

Russian (fluent), Spanish (intermediate-level), Japanese (beginner-level)

Education

BS in Electrical Engineering &	*University of California, Berkeley*
Computer Science	*College of Engineering*
08/1998–08/2002	*Berkeley, CA*

Research Assistant: Networked collaboration and haptic feedback in virtual reality systems
Teaching Assistant: CS61B (Data Structures) Lab
Coursework in: User Interfaces, Operating Systems, Languages and Compilers, Algorithms, Communication Networks
Honors: Regents' Scholar

Experience

Senior Technical Analyst	*Goldman Sachs,*
05/2009–05/2012	*San Francisco, CA;*
	Boston, MA

Developed infrastructure software and provided third-level operational support for the firm's risk management and algorithmic trading systems. Designed a resilient storage environment for a data warehousing system that received the firm's annual innovation award. Worked remotely, collaborating with team members spread across multiple time zones.

Site Reliability Engineer *Google,*
10/2005–04/2009 *Mountain View, CA*

> Responsible for a globally distributed computing grid running across 300K+ servers in multiple datacenters. Contributed design leadership and code for the automation and monitoring of major infrastructure services: distributed storage, job scheduling, distributed locking service, automated machine management. Provided emergency response and troubleshooted system-level issues across entire computing grid. Assisted in testing, qualification, and rollout automation of new Linux kernels across Google's server fleet. Produced training material and weekly disaster simulations for entire team. Mentored several team members.

Technical Analyst *Goldman Sachs,*
08/2004–10/2005 *New York, NY*

> Worked as part of a small worldwide team responsible for some of the most critical servers in the Fixed Income, Currency, and Commodities (FICC) division. Provided long-term system engineering and 24/7 operations support for Solaris, Linux, and NetApp servers. Maintained the most widely deployed Linux distribution in the firm.

Senior Software Developer *SQLFusion,*
01/2003–04/2004 *Lawndale, CA*

> Developed PHP- and Perl-driven database-backed websites for a variety of clients. Optimized MySQL database performance and operation. Performed system administration and maintained security of clients' Linux/FreeBSD servers and web sites. Interacted directly with clients throughout the development cycle.

Engineering Support Group *University of California, Berkeley,*
Member *EECS Department*
10/2000–12/2001 *Berkeley, CA*

> Supported departmental engineering labs and audio/video needs. Developed prototype PalmOS inventory control software to interface with a pre-existing SQL database. Implemented lab monitoring over the Internet using remotely controllable webcams.

Software Engineer & System *Jet Propulsion Laboratory,*
Administrator (Intern) *Pasadena, CA*
06/2000–08/2000

> Designed and wrote modular, XML-driven software for automated processing of scientific satellite data. Defined the XML format used to specify data processing procedures and parameters. Administered a cluster of 3 Sun Sparcs.

Webmaster *Computer Age Dentist & DDS4U,*
04/1998–04/1999 *Los Angeles, CA*

> Maintained corporate website and nationwide dentist directory. Created mini websites for dentists.

System Administrator   *Jay County Internet Services,*
05/1997–12/1997   *Portland, IN*

      Setup and maintained Linux server which provided DNS, WWW, email, FTP, shell accounts and other ISP services. Setup and maintained ISP's router and modem bank. Performed daily administration tasks such as managing user accounts and installing needed software.

Developer   *Quality Information Systems,*
11/1996–08/1997   *Los Angeles, CA*

      Worked on company's C++-based document database (TS1). Implemented various full-text database searches. Added HTML import/export capability to the database.