

Gilbert Heaton ; Senior Software Engineer ; Linux, UNIX, Perl, C, SQL, shells, ...

Freehold, NJ 07728 ; (working, please email) resume20@heaton.net ; <http://resume.heaton.net>

Availability: July. Citizenship: US Citizen.

Web links: <http://stackoverflow.com/users/693294/gilbert> top 13% poster; Github: <https://github.com/GilbertsHub>

SUMMARY:

Experienced in full SDLC from requirements gathering, product architecture, documentation, implementation, installation, and training across corporate teams with non-technical personnel. Great customer support.

SKILLS LIST:

Expert: perl-5 (Object Oriented, POD), C, shell scripting (bash, ksh, awk, gawk), Oracle SQL, Linux, UNIX.

Strong: perl OO (Template Toolkit, CGI, CPAN), MySQL, RESTful APIs, XML, SOAP, svn. Fair: PHP, Jira.

Intermediate: JavaScript, HTML/CSS, PHP, s, VirtualBox, VMware, git. Learning Python GoLang.

Long-term: Distributed and clustered applications. Heavy multiprocessing. globally distributed teams. Webex.

EMPLOYMENT HISTORY:

DXC Technology ; 100% Remote position ; Energy Sector; Mar-2020 to present.

Job Title: Shell Developer. Position: Part of team migrating large distributed AIX application to Linux that

Skills: shell scripts, SQL, Perl, a little python. Combination of "lift and shift" and greenfield development.

- Shell scripts for AutoSys and WebMethods with vast number of unknowns in undocumented code.
- Writing scripts to scan and automate code changes and make automated unit tests. Bring to production.
- Documenting and mentoring. Valuable onboarding docs.

Estée Lauder Aveda ; Remote to Manhattan NY ; May-2019 to Oct RIF; via W3Global, Coppell TX

Job Title: Senior Perl Backend Developer (consultant); Position: Estée Lauder Aveda brand loyalty.

Skills: perl-5, mod_perl, Apache, templates, MVC, Oracle SQL, s, shell scripts, log scraping.

- Researched and bug fixes in MVC perl gem and templates.
- Worked with external RESTful API with JSON payloads and testing and probing with PostMan.
- Wrote tool to more efficiently extract information from logs on problem transactions.
- Document procedures to reduce confusion and lost time. API change proposal.

Verizon Wireless ; Piscataway NJ ; Oct-2016 to Apr-2019 ; via Datanomics ; Red Bank NJ

Job Title: C Software Engineer (consultant); Position: Point Of Sale Backend C and PRO*C Developer

Skills: C (data structures), Oracle SQL, Solaris, shell scripts, Support, SOAP, s, HTML, MQ, Jira, Agile, CICD.

- Completed difficult migration of warehouse and inventory control from legacy platform to SAP.
- Improved store pickup process including fixing historic timezone issues.
- Used my notes to speed up mentoring and on-boarding of new backend developers
- Continuous deliveries, debugging, and fixing of many backend daemon services. Some critical fixes.
- Extensive middleware, X12 EDI, and TCP/IP communication with other systems using XML, SOAP, RESTful APIs, Oracle Message Queue, IBM Websphere MQ, distributed computing and straight TCP/IP.

Vonage Networks ; Holmdel, NJ ; May 2016 to Jul 2016 ; via SmartLink ; Annapolis, MD

Job Title: PHP Software Developer (consultant); Position: integrating new business acquisitions.

Skills: PHP, perl-5, Linux, PhpStorm, MVC, VirtualBox, shell scripts, MySQL, google docs, Slack, Jira.

- Strengthened customer FTP portal passwords in difficult perl program for customer portal call records.
- Reduced "swivel seat" operations by integrating new acquisitions into existing PHP web pages.
- Reduced mentoring times for new hires using my notes that became "amazing documentation".

ISenpai ; 100% remote to Manassas, VA ; Mar 2016 to May 2016 ; via Kforce Federal Contracts

Job Title: Perl Subject Expert (consultant); Position: short "surge" support for improving net security products.

Skills: Python, perl, CentOS, MongoDB NoSQL, NIST.SP.800, bash, PowerShell, documentation, Slack, Jira.

- Heavy development burst of unclassified network based security project under much of NIST.SP.800.
- Last week surprise creation of Linux and Windows installation bundles and documentation at end of project.

AT&T Labs ; Middletown, NJ ; Jun 2013 to Sep 2015 ; via Insys Group, Rochelle Park, NJ

Job Title: C Linux Developer (consultant); Position: Backend developer monitoring cell tower performance.
Skills: C, Linux, Solaris, HP-UX, Red Hat Enterprise, ksh/bash scripts, perl-5, distributed applications, read and transform data at terabyte network volumes, SQL, multi-processing, threads, regression tests.

- Improved performance of target applications and report generation, sometimes by 30%.
- Cleaned incoming dirty and messy CSV feeds enough for successful insertion into database using perl.
- Improved install quality and speed by automating installation of applications for developers.
- Automated moving files between development systems using scp, and especially sshfs (libfuse).

Verizon Wireless ; Warren, NJ ; Mar 2011 to Jun 2013 ; via Datanomics. Bridgewater, NJ

Job Title: C Developer (consultant); Position: Point Of Sale Backend C Developer
Skills: C, shell scripts, HP-UX, Oracle SQL, Pro*C, VMS, VMS RDB, Support, perl-5, s, EDI, VirtualBox, CICD.

- Helped migrate VMS backend C, COBOL, and DCL applications to replatform onto HP-UX UNIX server. Agile.
 - Automated repetitive platform migration steps using perl to help C code and #include file changes.
 - Reduced code changes by writing C library to perform some VMS behaviors on UNIX without changing calls.
- Slashed time for testers, developers, and other to identify causes of stuck test orders using perl-based web server reporting status of test orders and virtual inventory, Nominated for Employee of Month.
- Intensive communications using MQ operations (MessageQ, MQ Series), TCP/IP, s, SOAP, XML.

Numara Software ; Somerset, NJ ; Sep 2008 to March 2011 ; via Consultis of Tampa, FL

Job Title: perl-5 Sales Support (consultant); Position: Professional Services FootPrints full stack developer
Skills: Windows, Linux, Solaris, FreeBSD, perl, SQL (Oracle, Postgres, MySQL, SQL Server, ...), HTML, LDAP, VMware, Virtual Box, JavaScript, shell scripting, make, Apache & ISS web servers, documentation.

- Proposed changes that were adopted into both perl style guide and FootPrints installer.
- Wrote SOWs after discovering customer requirements and estimating efforts for customizations.
- Saved major international account with severity-1 problem by remote debugging using Webex

Avaya ; Lincroft, NJ ; Jan 2008 to July 2008 ; 6-month ; via Case Interactive of Farmingdale, NJ

Job Title: C Developer (consultant); Position: Migrate and replatform C and shell application on new servers
Skills: HP-UX, C, gdb, make, XML, SVC, shells, Linux, perl-5 LWP, DBI::Informix, Net::FTP, Module::Build, IBM MQ Series, Informix SQL, ISQL, team environment, project leadership.

- Replatformed legacy server code software to new servers. Automated GPS updates from vendor's server.
- Migrated legacy DB to new Informix DB server using CLI tools I wrote to extract, transform, and load data.

Cheetamail ; Manhattan, NY ; May 2007 to Dec 2007 ;

Job Title: Perl Developer; Position: Full stack developer for Internet Email Provider
Skills: Perl, DBI, Apache, TemplateToolkit, mod_perl, shells, XML, and SQL, UTF-8, Internationalization I18N.

- Added features to new customer GUI for e-mail campaigns using home-grown MVC class,
- Created documentation on system internals appreciated by developers and other advanced users.

Vonage Networks ; Holmdel, NJ ; Aug 2006 to April 2007 RIF ;

Job Title: Software Developer; Position: Full stack developer C, perl, JavaScript, TCP/IP networking, SNMP.
Skills: Perl: LWP, DBI; RH Enterprise Linux; Solaris; make; shells; package building; rrdtool; Source Version Control, CVS, svn Subversion, OpenNMS; C; SOAP; network MIBS, rdtool, documentation, requirement

- Became OID/MIB SME for team scanning VOIP network for new devices, adding to OpenNMS reports.
- Created perl web server cgi-bin to analyze SNMP scan logs to report on device trees.

Lumeta Corp. ; Somerset, NJ ; Mar 2004 to Jul 2006 ; via Key Data - March 2004 to Aug 2005

Job Title: Perl Software Developer; Position: IPSonar servers, automated builds, FreeBSD kernel & installer.
Skills: perl (LWP, mod_perl, CGI), refactor, SSL/TLS, C, security certificates, heavy shell scripting.

- Improved field upgrades to the point customers could often upgrade without Lumeta personnel present.
- Reduced Certificate creation time and improved tracking on internal Certificate Authority system.

EDUCATION:

California State Fullerton: major Computer Science (much experience in lieu of BA degree)
Fullerton College: major Electrical Engineering (transfer)