

Gilbert Heaton

Perl, C, with strong mentoring and planning.

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Multii-language software engineer. Currently Strongest in C, Perl, SQL, Linux, UNIX, and shell commands. History of Template Toolkit, HTML, JavaScript, Apache, TCP/IP and networking. Also SQL, Git, and SVN. Very strong design, mentoring, documentation. Great customer support.

2016 2019-04
contract end.
2011-2013

Agile/Jira
Big codebase
C
git / Bitbucket
Oracle SQL
Perl – OO,
perl critic
REST APIs
Remote team

Back end developer – high volume Point Of Sale

Verizon Wireless, Piscataway, NJ via Datanomics

- ✓ Ongoing enhancements, maintenance, and bug fixes, on over a dozen server applications, and still learning more.
- ✓ Servers include fulfillment, order flow, cust. pick up & email.
- ✓ Propose SQL DDL to DBAs to alter or create tables.
- ✓ Tools to make reports and quickly analyze/solve problems.
- ✓ Reduce logged activation errors by an order of magnitude.
- ✓ Work with and guide offshore team members.
- ✓ Reducing billing problems in warehouse billing by \$100K.
- ✓ Mentor new BE developers. Over \$800Million/month.

2016 &
2006-2007 rif

Agile/Jira
JavaScript,
JSON DOM
git
Linux+admin
Perl - OO
HTML/CSS
PHP & MVC
C
MySQL
Remote team
Re-platform
SNMP/MIB/OID

PHP/Perl developer – business VOIP support

Vonage, Holmdel, NJ via SmartLink

- ✓ Integrating recently acquired PHP app into Vonage ecosys.
- ✓ Enhanced legacy perl based application nobody else wanted to touch, but not yet migrated to PHP.
- ✓ My notes grew to “amazing” documentation for new hires.

Network Management Software and reports w/perl

- ✓ Part of NMS team improving existing and custom network monitoring software for improving performance.
- ✓ Used SNMP to gather and process OIDs to discover new devices of interest on the internal network.
- ✓ Research newly discovered device types to obtain MIMs and start device monitoring.
- ✓ Apache CGI to produce interactive reports. JavaScript.

2016

Documents
git / GitLab
Perl - OO
Python
nmap
NoSQL

Perl SME for short term Surge – network security

iSenpai, remote position via Kforce.short term

- ✓ Hired for perl knowledge but project diverted into python.
- ✓ Surge effort to network security project under strong NDA.
- ✓ Adding standard tools to better automate running as suite.
- ✓ Wrote installer at very end after lead missed requirement.
- ✓ Documented installation processes for Windows and Linux.

2013-2015 rif
1996-2000

C
Linux/Rhel
Perl – OO
High vol.
networks &

Backend software developer – cell tower reporting

AT&T Middletown via Insys

- ✓ Re-platformed application from Solaris to Linux.
- ✓ Consolidate petabyte/month cell tower feeds into practical feeds to network engineers to optimize operations.
- ✓ Multi-threading - perl and pthread.
- ✓ Improve performance of applications.

Personal:

Freehold, NJ 07728

Arenas

Back Ends ●●●●●

Telcom ●●●●

Net Security ○●●●

Hard Skills:

Coding ●●●●

Analyst ●●●●●

Design ●●●●●

Documents ●●●●

Debugging ●●●●

Rfregular Exprs ●●●●●

Networking

ssh, rsync, ○●●●

dev/tcp

TCP/IP sockets ○●●●

Message queues ○●●●

Soft Skills:

Detail attention ●●●●

Life Learning ●●●●

Legacy Apps ●●●●●

Mentoring ●●●●●

Patience ●●●●●

Large Projects ●●●●

OS Development

Linux distros ○●●●●

Red Hat+ ○●●●

Debian+ ○●●●

Ubuntu+ ●●●●

Windows ○●●●

Languages:

C ●●●●●

dbx debug ●●●●

gdb deb ug ○●●●

Gawk ●●●●●

Perl 5 to 5.26 ○●●●●

Perl::Critic ●●●

Packaging ●●●●

Test::More ●●●●

Template ○○●●

Shells ●●●●●

UNIX CLI ●●●●●

XML ●●●●

<p>I/O Apache HTML/CSS Linux/Solaris C, Perl-OO mod_perl REST APIs</p>	<ul style="list-style-type: none"> ✓ DevOps tools to configure and monitor server applications. ✓ Cross platform language and data migrations. <p>Perl / C developer – custom work and Y2K lead</p> <ul style="list-style-type: none"> ✓ Worked in internal consulting unit closing many works. ✓ Y2K tech. lead for AT&T Labs self-maintained software. ✓ First Y2K web server in AT&T. Automating tracking & reports and gave us the leanest known Y2K division office. JavaScript, JSON, more. 	<p>Agile</p> <p>Confluence ●● Jira ●●●</p> <p>Database</p> <p>SQL ●●●● Oracle SQL ●●●● MySQL ○○○●● SQL Server ○○● Postgres ○○● Others ○○ Daytona DBMS ○○●</p> <p>Source Control</p> <p>Accurevcrpt ●●●● cvs ○●● Git ○○● rcs ○●● sccs ○○○● GitLab & Bitbucket</p> <p>Web</p> <p>Apache ○●●● cgi-bin ○●●● HTML4/CSS2 ○○●● HTML5/CSS3 ○ JavaScript ○○○● jQuery ○●</p> <p>Offshore Teams</p> <p>European India</p> <p>Education</p> <p>Cal-State Fullerton (CS) Fullerton College (EE)</p> <p>Hobbies Include</p> <p>Working with tools Learning. Linux Programming Science Reading (SF and more)</p>
<p>2008- to 2011 Windows, Linux, Solaris, Apache mod_perl REST APIs Documents HTML JavaScript Perl SQL: Oracle, MySQL, Postgres shell, XML VMWare</p>	<p>Perl FootPrints dev. for Professional Services Consultis of Tampa / Numara Software (BMC)</p> <ul style="list-style-type: none"> ✓ Perl software for Help Desk, Service Desk, and more. ✓ Minor to major enhancements to oo-perl FootPrints product. Most enhancements were merged into the product. Required lots of digging into existing code and working with complex hash and array structures. <ul style="list-style-type: none"> ◆ Heavy VM use for development & testing. ◆ Used Test::More to make regression tests. ◆ Diagnosed and fixed critical, and highly high visibility, severity-1 problems at major customers. ◆ User Interface design for new features. ◆ SQL: Microsoft, Oracle, MySQL, and Postgres. ✓ Provide crisis support to Software Development and Support departments for urgent and critical problems. ✓ Estimated effort for customization requests & SOWs. ✓ sshfs mounts for more efficient bulk file transfers. 	
<p>Apache HTML JavaScript DOM Linux Perl / DBI / mod_perl XML shells SQL</p>	<p>Perl Developer Cheetah Mail Cheetahmail, NYC</p> <ul style="list-style-type: none"> ✓ Developed front-end and back-end software for new mailing GUI and some work on back-end processors. ✓ Used DBI class to connect to SQL database and home-grown MVC class. ✓ Enhanced, and documented, Template Toolkit templates. ✓ Consulted system architects, CSS style guides, and others, when designing the modules I wrote. 	
<p>2004- - 2006 C Perl OO Apache mod_perl REST APIs Netboot configs SQL, DDL</p>	<p>Perl Developer for IPSonar Network Security Lumeta Corp – Somerset NJ</p> <ul style="list-style-type: none"> ✓ Primarily back-end OO-perl and shell scripts notable C operations. Some C and front-end JavaScript. ✓ Introduced mod_perl for custom HTTP/SSL authorization and speed up response time. ✓ Build custom FreeBSD installer for IPSonar. ✓ Kernel panic analysis. ✓ Distribute serialized perl objects over LWP for processing. 	