Gilbert Healton

(732) 863-9119   Freehold NJ

resume16@healton.net

http://resume.healton.net/

Status: Immediate
U.S. Citizen
Proprietary to Gilbert Healton
Top 2016 20% poster at
http://stackoverflow.com/users/693294/gilbert

Senior Linux Software Engineer, includes PHP, Perl, Cs, and scripting.

SUMMARY: developer experienced in working with diverse people across corporate structure as well as customers. Persistent on projects that are not fun. Active in product design and evolution.

SKILLS INCLUDE:

Power Strengths: High-load, business critical, applications. UNIX and GNU/Linux, awk, perl, C, UNIX shells: Korn (ksh), Bourne (sh), C (csh and tcsh), Bourne Again (bash), and the Z shell (zsh); OO perl, POD; CPAN, UNIX utilities; HTML; Designing and documenting software applications; requirement gathering; mentoring; UNIX internals, and working with people. Understanding of existing code and algorithms.

Recent Languages: PHP, Perl, shells (ksh, bash, sh, zsh), awk, sed, postgreSQL, mySQL, C, XML.

Project Leadership: lead multiple projects, even when a contractor.

Network & Web: Intense data flows, HTML/CSS/JavaScript, Apache web server, mod_perl, PHP, MessageQ.

Operating Systems: Developer in UNIX/Linux/FreeBSD and some MS Windows servers and desktop dev.

Applications: **Dev:** PhpStorm IDE; phpUnit; PhpStorm/xdebug; cc/dbg/g++, make, shells. **Networking:** Samba, Apache, Fire Fox; Fire Bug, JavaScript, Wikis; **Virtualizers:** Virtual Box, VMWare.

Source Control: AccuRev, Subversion, CVS, git, sccs, RCS.

Documentation: thousands of pages involving architecture, design, test plans, user guides, hardware, more.

WORK EXPERIENCE

Job: Vonage   2016-May to 2016-July (Holmdel, NJ)

 Distributed team migrating several recent acquisitions into a common system

 Position: contracting php developer also working in perl and shell scripts on Internal product for managing all facets of Vonage Premier accounts, from prospects to disconnects.
- Wrote notes that became "amazing documentation" from on boarding to technical details of product.
- Improved password security of one customer portal. Required architecture meetings, understanding stories, constructing new dev environment, driving QA environment to becoming functional, risk reduction.
- Improved automated FTPing of files between hosts. Again, architecture changes were required.
- Helped mentor new hires that came after myself.
- PHP, Linux, PhpStorm, vagrant, VirtualBox, perl, shell scripts, Libre Office, docs.google.com, slack.com.

Job: kforce remote work for anonymous company 2016-Mar to 2016-May ("hard stop" project end date)

 Member of short-term team under strong Non-Disclosure Agreement. Still unknown what I can publish here.
- *Position: CentOS Software developer, creating delivery bundles, and completing/editing documentation.*
- Heavy development burst of unclassified project. Required reading included many parts of NIST.SP.800.
- Was recruited for Linux/bash skills though technologies actually used went far afield from those skills.
- In the closing weeks was assigned to producing delivery bundles and working with another team member to produce administrator and developer level documentation from inconsistent and choppy originals.

Job: IDT Corp   2015-Nov to 2016   (Lakewood)

 Member of team developing Point Of Sale software product for niche market.

 Position: Linux Development Engineer. Lubuntu, Xorg, Debian packages, shell scripts, LVM, ssh tunnels.
- Build makefiles and packages for uploading to Amazon Web Services (AWS) site.
- Discover how to configure system to meet needs of delivered product.
- Develop shell scripts to provision equipment.

Job: AT&T via **Insys Group**   2013-June to 2015-Sept   (Middletown)

 Monitoring cell tower performance and usage for Network Engineers. DevOps. High-volume network flows.

 Position: member of production support team since May, providing 24x7 support for about 40 "Big Data" applications across hundreds of servers. Linux, Oracle/Sun Solaris, ksh, awk, perl, SQL, Wikis.
- Analyze and communicate performance and operational issues as well as supporting users in multi-cluster server systems with massive parallel processing.
- Extensive documentation updates and new documentation, mostly on Media Wiki.

 Position: Consulting Software Engineer on servers receiving, and analyzing, cell-network traffic (Linux, Solaris, HP-UX, Red Hat Enterprise, ksh/bash scripts, C, multithreading, shared memory, gawk, perl, threaded and distributed application, terabyte network volumes, SQL, multi-processing, threads).
- Improve performance of various applications and report generation. Intense C, Intense ksh, multi-processing.

- Reduced run time for hourly report from well over an hour to well under using distributed processing.
- Write perl tool to clean incoming dirty CSV files into something that would work in a database.
- Improved install quality by writing installer for in-house application commonly used by test and development.
- Improved features and performance of wireless network analysis tool. Collate and merge information.
- Use scp, and especially sshfs (libfuse) to efficiently move files between development systems.
- Bug fixes and feature enhancements adding to regression test library.

Job: **Verizon Wireless** via **Job: Datanomics**   2011-March to 2013-May.   (Warren, NJ)

Position: Consulting Software Engineer on Back End systems within Verizon Wireless Point Of Sale. HP Superdome server, high-volume servers, perl, HP-UX, VMS, back-end processing, Oracle SQL with Pro*C, VMS, RDB, shell scripts, endian awareness in data transfers.

- Helped migrate VMS backend C, COBOL, and DCL applications to HP-UX UNIX server.
  - Wrote perl tool to automate simpler migration efforts involving syntax, #include files, etc.
  - Wrote C library to better simulate some VMS actions, such as logical variables, selected DCL commands, on UNIX to reduce migration efforts.
  - SQL: Migrated RDB and Pro*C code on VMS to Oracle Pro*C.
- Worked with C application using MessageQ, and to a lesser degree, MQ Series, middleware messaging.
- Maintained "Virtual Warehouse" that stocked virtual phones for testing ordering and shipping.
- Improve QAs test times with HTTPi web server showing status of orders and virtual warehouse.
- Proposed solutions to problems I observed in application performance, reliability, and communications.

Job: **Numara Software** (now BMC) via **Consultis of Tampa** 2008-Sep to 2011-Mar

A premier provider of software for Help Desk, Service Desk, Asset Management, and more. Perl shop.

Position: Senior Consulting Software Engineer for Professional Services at Numara Software (Microsoft Windows, Linux, Solaris, FreeBSD, perl, multiple SQL, HTML, VMWare, Virtual Box, Virtual PC, JavaScript, shell scripting, make, Apache&ISS web servers, troubleshoot, documentation, LDAP, more).

- Minor to major customized enhancements to FootPrints product.
  - Built many VMs for Windows (Servers, XP) and Linux systems (Debian, CentOS, …)
  - Heavy use of perl's Test::More to make regression tests with custom Test::Harness front-end
- Provide crisis support to Software Development and Support departments for urgent and critical problems.
- Estimated effort for customizations requests from customers, including discovering requirements and writing User Interface Specification, System Requirement Specifications, System Design Specifications.
- Wrote more documentation on various subjects than any other developer.

Job: **Avaya** via **Case Interactive**   2008-Jan to 2008-Jul **-** short term W2 contracting position $5 billion

Major leader in enterprise communications and unified communications, including IP telephony solutions.

Position: Software Engineer (HP-UX, C, gdb, make, XML, SVC, shells, Linux, perl, LWP, DBI::Informix, Net::FTP, Module::Build, IBM MQ Series, Informix SQL, ISQL, team environment, project leadership)

- Migrating legacy C code to Linux. From requirements gathering to implementation and documentation.
- Kept getting new assignments after main assignment finished ahead of schedule until end of contract term.
- Delivered middleware perl program using Net::FTP automating transfers between proprietary servers.
- Migrated C code with embedded Informix. Extract active legacy rows to migrate them to DB on new system.

Job: **Cheetahmail.**   2007-May to 2007-Dec   (Manhattan)   private

Major provider of specialized, high-volume, Internet service. Heavy open source. Back-end and front-end.

Position: Software Engineer (Perl, DBI, Apache, TemplateToolkit, mod_perl, shells, XML, and SQL, UTF-8.)

- Perl shop e-mail provider. Enhanced new mailing GUI home-grown MVC. Backend development.
- Wrote documentation appreciated by others on internals of system.

Job: **Vonage** Network.   2006 to 2007-Apr restructuring (Holmdel, NJ) $195 million

Provider of Voice over IP telephone services for over 2 million customers. Heavy open source.

Position: Software Engineer (Perl: LWP, DBI; RH Enterprise Linux; Solaris; make; shells; package building; rrdtool; Source Version Control, OpenNMS; C; SOAP; network MIBS, documentation, installers, requirements,

Job: **Lumeta Corp.**   2004 to 2006   (Somerset, NJ) $9.7+ million

Perl shop network security company, Many private and government customers. Open source user.

- *Position: Software Engineer* (FreeBSD, Apache, perl, SSL/TLS, C, package building, security certificates, kernel internals, kernel programming, kernel panic resolution, improve field upgrades, started auto-builds
- and designed monitoring website, FreeBSD kernel work, heavy shell scripting, C, Customer tickets.

EDUCATION:

California State Fullerton: Computer Science   Fullerton College: Electrical Engineering