Howard S Shubs

Littleton, Colorado

413-563-2848

408-292-6221

[howard@shubs.net](mailto:howard@shubs.net)

#### Summary

Team Lead/Programmer/System Manager with experience in Information Technology on Linux and OpenVMS, using various languages and tools. Industry experience in the technology, healthcare, utility, and telecommunications industries.

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| **Expertise:** | Problem Solving, Scripting, Programming/Application Support, System Manager/Admin, Software Migration/Porting, Conversion of FORTRAN to C language |
| **Languages:** | bash, python, DCL, Postscript, C language, perl, ksh, lex/yacc |
| **Objective** | Expand my programming expertise into areas of interest, including UNIX, Oracle, SQL, and Macintosh. |
| **Software:** | Red Hat Linux, HP-UX, OpenVMS, MacOS X, SSH, cron |
| **Hardware:** | Intel (x86), Integrity, PA-RISC, Macintosh, Alpha |
| **Certifications:** | Red Hat Certified Engineer, Red Hat Certified Virtualization Administrator (120-159-058)  Cisco Certified Entry Networking Technician (431234169956JMCM) |

#### Employment

***Gainwell Technologies, Irving, Texas***

C Programmer

November 2021 – Present

* Learn local programming environment and context.
* Exposed to AutoSys.
* Introduced to Coverity.
* Update existing modules with new requirements.

Environment: AIX, Red Hat Enterprise Linux (RHEL), C language, telecommuting

***Radiant Systems, Plainfield, New Jersey***

Programmer

December 2020 – March 2021

Client: *Athena Healthcare*

* Convert scripts from DCL on OpenVMS to bash and python on Red Hat Linux for new customer’s client.
* Create new scripts in bash, DCL, and python as requested.
* Help others as needed.
* Wrote documentation to help people continuing the project to understand how to use my code templates. This was very much appreciated by the team lead.

Environment: Red Hat Enterprise Linux (RHEL) 7, OpenVMS, telecommuting

***Radiant Systems, Plainfield, New Jersey***

Programmer

May 2018 – August 2020

Client: *GE Healthcare / Virence Healthcare / Athena Healthcare*

* Convert scripts from DCL on OpenVMS to bash and python on Red Hat Linux.
* Initiate template to streamline creation of new automation and increase revenue for same.
* Create new scripts in bash, DCL, and python as requested.
* Schedule scripts in cron and help others with cron.
* Help others as needed.

Environment: Red Hat Enterprise Linux (RHEL) 7, OpenVMS, telecommuting

# **Innovar Group, Denver, Colorado**

Linux System Administrator

March 2017 – April 2017

Client: *Charter Communications*

* Attended training sessions and read documentation on CloudTV.
* Helped with Quality Control of new Guide using SlingTV.

Environment: CentOS Linux, SlingTV

# **Insight Global, San Francisco, California**

Linux System Administrator

January 2016 – April 2016

Client: *Workday, Pleasanton, California*

* Participated in a CentOS upgrade project to improve security, using JIRA to track scheduling and progress.
* Participated in a capacity expansion project

Environment: CentOS Linux 6, JIRA

# **TangoMe, Mountain View, California**

Linux System Administrator  
November 2014 – August 2015

* Production Operations / NOC
* Monitored, diagnosed, and fixed systems using Nagios, New Relic, PagerDuty, and Subversion using internal tools, log files, and experience to maximize uptime.
* Modified the Nagios setup as needed to add/remove nodes and tests.
* Wrote Nagios check scripts in bash.
* Learned to restart Tomcat to solve issues.
* Used JIRA to track issues.
* Introduced to AWS, initially by creating a web server just to show I could, as an intro assignment.
* Exposed to VMware.

Environment: CentOS Linux 6, AWS, Nagios, bash, Intel (x86), JIRA

# **Tata Consultancy Services, Edison, New Jersey**

Linux System Administrator

June 2014 – October 2014

Client: *Apple, Cupertino, California*

* Worked in a group of level 3 Linux system administrators interacting with level 1 support techs in India, and with internal customers handling QA Operations.
* Performed remote diagnosis of HP, IBM, and other systems using SSH and iLO or equivalent. Acquired permission from stakeholders to change and/or fix their systems. Directed hardware techs to perform changes and fixes.

Environment: Oracle Enterprise Linux, HP and IBM servers with related hardware, various disk array systems

# **Infobahn Softworld, San Jose, California**

Linux System Administrator

July 2013 – January 2014

Client: *Kelly Temps, Albuquerque, New Mexico*

Client: *Intel, Rio Rancho, New Mexico*

* Maintained and updated a group of pre-production servers used for benchmarking performance running Red Hat and Ubuntu Linux.
* Supported customers of this group of servers so they could perform benchmarking tests.
* Worked with other members of the group, including supporting them in their endeavors.
* Occasionally directed interns.
* Exposed to Open Stack.
* Organized equipment racks, arrange for power and network connectivity.

Environment: Red Hat and Ubuntu Linux, Intel (x86), AMD (x86), and ARM-based servers with related hardware

# **Hewlett-Packard, Rio Rancho, New Mexico**

Technical Solutions Consultant III

October 2010 – June 2012

* Participated as part of a multi-site team of advanced support technicians.
* Support OpenVMS, HP-UX, and Tru64 on a variety of PA-RISC, Alpha, Itanium, and VAX servers.
* Support hardware and software relating to servers, including older, otherwise unsupported devices.
* Coordinated support in every case handled, from first to last, including customer engineers, level two, and other resources.
* Used internal tools to diagnose and solve issues relating to software and hardware.
* Studied ITIL.

Environment: OpenVMS, HP-UX, PA-RISC, Alpha, Itanium

# **Syntel, Troy, Michigan**

Team Leader

October 2006 – March 2010

Client: *McKesson Corporation, Hadley, Massachusetts*

* Developed/maintained TRENDSTAR in Fortran (mostly), C, and DCL.
* Maintained the batch-based rebuild tasks, updating occasionally to incorporate new functionality.
* Moved code from development to test to production environments.
* Programmed and documented an MS-DRG grouper in C language for OpenVMS. Maintained it between versions 25 and 27 inclusive. Implemented HAC in this grouper.
* Guided a six-person offshore team located in Pune, Maharashtra, India through more than a dozen releases of McKesson’s *TRENDSTAR* decision management software product, v2007.1 through v2010.1-1, with releases on time each quarter.
* Found and documented an OpenVMS Fortran run-time library error, which was escalated to VMS Engineering. Produced a work-around in the TRENDSTAR code pending the release of a library patch.
* Personally implemented more than fifty change requests and assisted others with their own change requests.
* Wrote technical documentation for the TRENDSTAR system management and internal development environment, as well as for training purposes.
* Trained our replacements using the above technical documentation and the off-shore group.

# Environment: OpenVMS, FORTRAN, C language, BASIC, DCL, Alpha, Itanium

***ISO New England, Holyoke, Massachusetts***

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| System Manager | May 2000 – March 2006 |

* Maintained Windows 2000/2003 with Active Directory, Red Hat Linux 7.0 through Fedora Core 2, Tru64 UNIX, OpenVMS Alpha, and AIX systems in production environment with triple redundancy and 99%+ uptime.
* Implemented and maintained McAfee VirusScan on samba servers and configured ePolicy Orchestrator.
* Configured and troubleshot issues with samba.
* Performed hardware troubleshooting and repair on Intel-based equipment.
* Used Active Directory to help manage both desktops and servers.
* Wrote technical documentation.
* Built systems, performed hardware and software maintenance.
* Answered questions and handled issues found by users.
* Supported application developers and specialists.
* Executed application support for multiple applications.
* Wrote FORTRAN, perl, python, korn shell, and DCL code for internal projects.
* Light experience with Tivoli Storage Manager (TSM).

Environment: Windows 2000/2003, Red Hat Linux, OpenVMS, VMware, perl, python, bash, FORTRAN, DCL, Alpha, StorageWorks

Languages: DCL. Systems: VMS, Linux. Hardware: Alpha. Intel (x86), StorageWorks.

# **Volt Services Group, Dallas, Texas**

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| Contract System Manager | August 1999 – December 1999 |

Client: *Dallas Area Rapid Transit, Dallas, Texas*

* Participated with small system management team to implement new OpenVMS Alpha cluster.
* Supported a team of users on Macintosh computers using a Novell network. Interfaced between DART system management and this group.

Environment: OpenVMS, Macintosh, MacOS, DCL, Alpha, StorageWorks, Novell

Languages: DCL. Systems: VMS, MacOS. Hardware: Alpha, Macintosh. StorageWorks.

# **Computer Merchant, Norwell, Massachusetts**

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| Consultant/Programmer | August 1997 - June 1999 |

Immediate client: *Digital Equipment Corporation, Fort Worth, Texas*

End client: *Texas Utilities Comanche Peak Power Station, Glen Rose, Texas*

* Ported FORTRAN and shell-based engineering and accounting software to Digital UNIX (Tru64).
* Made software Y2K-compliant.
* Updated, adapted, and installed resulting software on a DEC Alpha.
* Worked with engineers to produce new software to replace older packages using C language, lex and yacc, and perl.
* Wrote new C language program to plot HEATING7 data using GNUplot.
* Travelled as needed to Glen Rose generation site, Dallas corporate headquarters, and Fort Worth location.

Environment: OpenVMS, Digital UNIX (Tru64), FORTRAN, DCL, C language, lex/yacc, perl, korn shell, Alpha

Languages: FORTRAN, C language, DCL, Korn shell, perl, lex/yacc. Systems: Digital UNIX (OSF/1, Tru64), VMS. Hardware: Alpha, VAX. Software: RCS, make

## **David Boyd Communications Consultants Inc., Herndon, Virginia**

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| Consultant/Programmer | February 1997 - May 1997 |

Client: *GTE Card Services, Irving, Texas*

* Worked with clients using Oracle w/ SQL, and UNIX.
* Performed operations by hand on client’s live database.
* Helped streamline procedures by writing software in C language, Pro\*C, and lex to perform operations on live database.

Environment: AIX, SQL, C language, Pro\*C, lex

Languages: SQL, Pro\*C, lex. Systems: AIX. Hardware:RS6000

### Johnson & Associates, Plano, Texas

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| Consultant/Programmer | November 1996 - January 1997 |

Client: *Southwestern Bell Corporation, Irving, Texas*

* Wrote billing software in FORTRAN and Postscript.
* Maintained internal systems.

Environment: OpenVMS, FORTRAN, Postscript

Languages: FORTRAN, Postscript. Systems: VMS. Hardware: VAX.

***Digital Arts Group, Burlington, Massachusetts***

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| System Manager | April 1995 – August 1996 |

Client: *Digital Equipment Corporation, Hudson, Massachusetts*

VMS System Manager/Internal System Support

* Assisted users with problems on over 60 large/mixed architecture OpenVMS clusters.
* Interfaced with other platform groups to resolve multiplatform issues.
* Performed small programming tasks to fix specific problems.

Environment: VAX, Alpha, OpenVMS, DCL, clusters, StorageWorks, FORTRAN, COBOL

Systems: VMS. Hardware: VAX, Alpha, StorageWorks. Languages: C language, FORTRAN, DCL. Software: various DEC layered products

## **Smoke ‘N’ Mirrors, Herndon, Virginia**

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| System Management/Software Test | March 1994 – March 1995 |

Client: *MCI, Richardson Texas*

* Performed integration testing on internal software system.
* Learned AIX and TCP/IP management under both Wollongong and AIX.

Environment: OpenVMS, AIX, TCP/IP, Wollongong, DCL

Systems: UNIX, VMS. Hardware: Alpha, RS6000, VAX. Software: TCP/IP

***Contract Solutions, Salem, New Hampshire***

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| System Manager | September 1993 - January 1994 |

Client: *Digital Equipment Corporation, Nashua, New Hampshire*

Internal Mechanism & Testing Group

* Tested installations/upgrades of OpenVMS VAX V6.1.
* Found bugs before system was released to public.

Environment: OpenVMS, VAX

Systems: VMS. Hardware: all supported models of VAX.

### MicroTemps, Newton, Massachusetts

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| FORTRAN Programmer | May 1992 - November 1992 |

Client: *Cabot Corporation, Billerica, Massachusetts*

Environment: OpenVMS, FORTRAN

Global Process Control Group

Languages: FORTRAN. Systems: VMS. Hardware: VAX. Software: VMSINSTAL, CMS, LSE, SCA.

## **Psyche Systems, Wellesley, Massachusetts**

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| System Manager, Applications Programmer, System Engineer | June 1987 - September 1991 |

Environment: OpenVMS, RSX-11M+, VAX, PDP-11, FORTRAN, C language, DCL, Macintosh, MacOS, VMSINSTAL, MACRO-32Languages: MACRO-32, FORTRAN, DCL. Systems: VMS, RSX-11M+, MacOS. Hardware: VAX, PDP-11, Macintosh. Software: VMSINSTAL, various layered products.

*Previous relevant experience available on request.*

**Education**

*University of Massachusetts, North Dartmouth, Massachusetts*

Courses completed toward a Masters of Science in Computer and Information Science. Developed an understanding of object-oriented concepts. Part-time Teaching Assistant. Systems: UNIX, VMS. Languages: C language, lex/yacc, Eiffel, FORTRAN.

*University of Massachusetts, North Dartmouth*

Bachelor of Science in Computer Science.

version 14.2 (chronological)

#### Professional Development

*Red Hat Certified Virtualization Administrator training, May 2013*

RHEL 6 virtualization administrator certification

*Red Hat Certified Engineer training, September 2012*

RHEL 6 advanced system management certification

*Red Hat Certified System Manager training, August-September 2012*

RHEL 6 basic system management certification

*Member of USENET Big8 Board, October 2011 to March 2015*

*HP-UX Boot Camp, March 2011*

Basic UNIX system administration refresher

*Microsoft Windows 2003 System Administration, December 2004*

Basic system administration and Active Directory under Windows 2003.

*Microsoft Windows 2000 System Administration, December 2003*

Basic system administration under Windows 2000.

*Tru64 UNIX System Administration, March 2002*

Basic system administration under Tru64 UNIX (Compaq UNIX) 5.1A.

Designed and implemented web sites.