

Joshua Van Buren

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SUMMARY OF QUALIFICATIONS

- Well-versed in MS-DOS, Microsoft Windows, Linux, Microsoft Office, Adobe Photoshop, Adobe Illustrator, Adobe Dreamweaver, Flash, Internet, WinInstall, WSUS, and Symantec Endpoint.
- Coded and developed in Java, C, C++, HTML, JavaScript, LotusScript, PHP, Visual Basic, Flex, Bison, OpenGL, PowerShell, Delphi, KIXtart, ActionScript, VBScript, WxWidgets, Doxygen, and Perl.
- In-depth knowledge of PC setup and installation, as well as various peripherals, hardware, data entry, and file updating.
- Expert knowledge of the Windows XP/Vista/7 operating systems including setup, drivers, registry, program installation and configuration, patching, updating, group policy, and other aspects of the operating system.
- Extremely adept in Linux/Unix operating systems and environments including setup, program installation, compiling programs in a Linux environment, compiling Linux programs in a Windows environment using Cygwin, MSYS, and Mingw, and using Linux/UNIX in virtual environments.
- Skillful in development and testing of programs in virtual environments including VirtualBox and VMWare.
- In-depth knowledge of Windows Installer (MSI) package creation and customization using InstallShield.
- Familiar with deployment and customization of Windows using the Microsoft Deployment Toolkit, Windows Automated Installation Kit, and System Center Configuration Manager 2012.
- Well-versed and experienced in the administration of all aspects of System Center Configuration Manager 2012 and the use of System Center Updates Publisher (SCUP).

EDUCATION

University of South Carolina, Columbia, SC

2007 – 2009

Major: Computer Science and Engineering

- Master's of Engineering Degree in Computer Science and Engineering
- Overall GPA: 3.75/4.0

University of South Carolina Aiken, Aiken, SC

2003 – 2007

Major: Math / Computer Science

- Bachelor's of Science Degree in Math/Computer Science
- Overall GPA: 4.0/4.0

EMPLOYMENT

Department of Energy, Aiken, SCAugust 2009-
Present*Desktop Engineer/Developer for the Desktop Systems Group of Savannah River
Nuclear Solutions*

- Developed, tested, and implemented WinInstall Scripts and Windows Installer Packages to install/push out software to over 10,000 managed computers.
- Developed and implemented programs in Pascal, C, Perl, VBScript, Visual Basic, and KIXtart to perform various tasks including automated file search and deletion using the MD5 checksum or file name, automatic formatting of all internal FAT32 drives to NTFS, searching for registry files encoded as Unicode, checking for and automatically launching software updates, and parsing of various types of log files.
- Researched the possibility of converting the log in scripts in use to PowerShell scripts to be used with Windows 7. Coded and implemented scripts to automate the process of renaming a computer and adding it to a domain.
- Administered a Citrix/Netscaler Implementation, which allows users to log into an on-site server from their personal pc to access certain on site applications for the first time in the history of the organization. Administered setup, installation, and configuration of virtual servers, publishing applications, application testing, and Netscaler configuration research.
- Maintained and developed improvements to a program written in Pascal/Delphi which logs inventory data for over 10,000 managed computers for the purpose of tracking software installations, update status, and other pc data.
- Facilitated critical support calls and solved various customer issues as a member of Tier Three Desktop Support.
- Managed the Desktop Support ticket queue and assigned tickets to the appropriate team member based on the issue and the skills of each team member.
- Lead a team of Desktop Engineers as the Application Test Coordinator for the Windows 7 migration. Coordinated with the engineers and developers of the applications to create a list of applications suitable for migration, test applications, and consolidate the final list of applications to migrate.
- Collaborated with one other Desktop Engineer to create/customize Windows Installer packages for over one hundred applications as a part of the Windows 7 migration using InstallShield.
- Created a customized Windows Recovery Environment using the Microsoft Windows Automated Installation Kit for system repair and support.
- Assisted with the implementation and troubleshooting of USGCB Group Policies in a Windows 7 environment.
- Managed and administered a System Center Configuration Manager 2007 and 2012 site with over 9000 machines.

- Designed, implemented, and administered a OSD process to migrate over 4000 machines from Windows XP to Windows 7 in five months.
- Implemented a strategy and process to migrate existing software deployment methods from WinInstall, WSUS, and other custom utilities to System Center.

Department of Energy at Savannah River Site, Aiken, SC

May 2009 –
July 2009

Design/Programming Internship through the Department of Energy

- Coded changes to the Document Control Register System in LotusScript to reinforce type checking and other features to the system to increase the usability and efficiency of the system.
- Wrote technical documentation outlining the changes and made to the system to assist future developers in maintaining the system.

Department of Energy at Savannah River Site, Aiken, SC

May 2008 –
July 2008

Design/Database/Programming Internship through the Department of Energy

- Developed, designed, and implemented a fully functional free and open source web based content management system using PHP, MySQL, PHPMyAdmin, JavaScript, HTML, and other tools to store media assets including images, video files, and audio files.
- Wrote technical documentation outlining the design and functionality of the system.

Department of Energy at Savannah River Site, Aiken, SC

May 2007 –
August 2007

Design/Programming Internship through the Department of Energy

- Collaborated on the Media Asset Management Database Project with specialists from other fields, such as photography, graphic design, etc. to ensure that the system met the requirements of the users.
- Designed and coded a web-based interface using JavaScript, PHP, JSP, and HTML to access a database of media elements, such as images and video clips.
- Wrote technical documentation outlining the design and functionality of the system.
- Wrote jargon-free online help documentation for users of the system in HTML format.