

Joshua Villwock

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Professional Profile	<p>Systems Administrator (Sysadmin) with 6 years Systems Management experience, including scripting, configuration, automation, monitoring, and troubleshooting.</p> <p>More than 6 years' experience with Linux systems administration, including virtualization technologies such as ESXi, Hyper-V, & Docker. Vanilla Debian is my preferred choice, but I also possess working knowledge of Ubuntu, Fedora, and CentOS.</p> <p>More than 3 years' experience in structured government networking environments providing infrastructure support.</p>
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Areas of Expertise	Specific Application Environments:	Specific Technical Skills:
	<ul style="list-style-type: none">▪ Good knowledge of Windows Client-Server environments.▪ Experience with diverse Linux environments.▪ Experience running web servers: Apache2, Nginx, PHP, MySQL▪ Experience managing mail servers: MS Exchange, Postfix, Dovecot.▪ Experience running & configuring a variety of application servers: Apache, Nagios, Jenkins, and others	<ul style="list-style-type: none">▪ <u>Scripting</u>: PowerShell, Python, Batch, Bash▪ <u>Languages</u>: Python, HTML, CSS, JavaScript, Java, PHP, C, C++, Prolog▪ <u>Networking skills</u>: TCP/IP, VPNs, VLANs, WAN, DNS, DHCP, and Network Troubleshooting▪ <u>Windows Stack</u>: Hyper-V, DFS, Shares, Active Directory, Group Policy, ADFS, etc.▪ Experienced at researching problems and related causes, Expert Googler.▪ MS Office, Eclipse, Visio, Photoshop, O365

Work Experience	System Administrator July 2016 – Present Corban University, Salem, OR <ul style="list-style-type: none">▪ System Administration, Account management, Front-line support<ul style="list-style-type: none">○ Handled all new employee account creation & setup<ul style="list-style-type: none">▪ Including O365, AD, groups, File Shares, all automated via PowerShell.○ Planned and orchestrated move of all virtualization from ESXi to Hyper-V.○ Administered a mixed Windows/Linux environment of ~60 VMs. Windows Domain, infrastructure & file servers, Skype for Business, and Linux application Servers.○ Handled user access requests and file share permissions via Active Directory, DFS, and Group Policy
	Student Networking Intern June 2013 – May 2014 Oregon Department of Fish and Wildlife (ODFW), Salem, OR <ul style="list-style-type: none">▪ Participated in architecture and design of department facilities relocation:<ul style="list-style-type: none">○ Planning for complete department relocation to new building.○ Built network for the new facility location from scratch over a single weekend.▪ Networking infrastructure maintenance at new data center location:<ul style="list-style-type: none">○ Collaborated to solve customer and network issues.○ Documentation of cabling structure.○ CISCO router configuration.
	Student Operations Intern Nov 2009 – May 2012 Oregon State Data Center (SDC) [DAS], Salem OR <ul style="list-style-type: none">▪ Networking infrastructure implementation and maintenance.<ul style="list-style-type: none">○ Server installation and decommissioning, including all types of cabling.○ KVM installation and decommissioning, including KVM server management

Education	B.S. Computer Science, Information Systems Option, & Business Minor Oregon State University (OSU), Corvallis, OR (September 2013 – February 2016) Overall Bachelor of Science GPA: 3.45
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Extra-curricular Projects

- Built and manage my own personal e-mail server (*Postfix, Dovecot, SpamAssassin, MariaDB, Nginx, Docker*)
- Operated & managed what was probably one of the largest Minecraft game servers at the time. (*Java, Minecraft, Bash Scripts, Cron, Systemd, MySQL, Python, Eclipse, Jenkins*)
- Deployed multiple websites for personal usage: Minecraft community websites, file servers, webmail, administration consoles, etc, etc. (*Nginx, Apache2, MySQL, SSL, LetsEncrypt, Python, PHP, docker, etc*)
- Host and Manage a TeamSpeak server for personal and Minecraft community communication. (*TeamSpeak, Bash Scripts, Systemd*)
- Use Syncthing for a personal distributed “server-less” backup solution. (*Syncthing, Systemd, Nginx*)
- Developed personal scripts for automated incremental and de-duplicated backups of all services hosted on my Linux boxes. (*Python, Bash Scripts, Cron, rsync*)
- Set up, hosted and managed various other game servers, for personal & friends’ usage. (*Factorio, Minecraft, Terraria, OpenTTD, Counter Strike: Source, Team Fortress*)
- Configured transparent caching Squid proxy for during the period when my family had very, very appalling internet speeds. (*Squid, DHCP, DD-WRT, MikroTik*)
- Handle a large portion of all technical responsibilities at my local church. This involves making sure all technical equipment is set up correctly for live services, users know how to use the equipment correctly, and running lighting & multimedia during live services.

Other Personal Interests

- I am a licensed HAM operator. (KG7WKU) Although I am not active in many of the activities people usually associate with ham radio, I do enjoy experimenting with various forms of wireless communications that being licensed allows.
- I enjoy flying multirotor quadcopters. (“drones”) I have a 450-sized quad, built from scratch, which I fly around on my family’s farm, and have a lot of fun doing so.
- I am a self-professed data hoarder.
- Additionally, I enjoy water skiing, and especially snow skiing.
- I like tacos.
- I enjoy explaining and discussing advanced technical ideas, concepts, and implications with friends and co-workers.

References

Derek Settlemoir Systems Engineer / Consultant (IBM) (19 years) Information Systems Specialist (DAS / SDC) (13 years) 503-559-1101 / dlsettlemoir@gmail.com	Advisor / Mentor
Michael Cartwright Infrastructure Engineer (DAS / SDC) 503-373-1671 / Michael.E.Cartwright@state.or.us	Supervisor at SDC: Nov 2009 – May 2012
Chris Roberts Network Engineer (Corban University) 503-551-7318	Coworker at Corban: July 2016 – 2018
Brian Schmidt Chief Information Officer (Corban University) 503-559-4544 / briandschmidt@outlook.com	Superior at Corban: July 2016 – 2019