Ryan Knauer

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# WORK HISTORY

**02.2014 - Current** Systems Group – Old Dominion University

**Systems Engineer**

* Windows Administration and Linux Administration
* Exchange, Hyper-V, SCCM, SQL Server, Active Directory, Server 2003, 2008, 2012 (R2), 2016
* Ubuntu, CentOS, LAMP, basic web development
* Virtualization Experiencing including VMware and Hyper-V

# Qualifications

VMware Experience -VMware ESXi / vCenter 5.5 through 6.5.

-Hyper-V to VMware Migration.

-Configured a fully redundant 10GB Ethernet vSphere environment.

-Successfully maintained a deployment of over 500 Virtual Machines.

Linux Experience -Experience in patching vulnerabilities in a Linux/GNU environment.

-Deployed and maintained many L(A|E)MP-based webapps and tools.

-Experience in provisioning machines using Puppet and Salt.

-Experience writing modules and states for Puppet and Salt.

-Experience with domain-wide monitoring of both Windows and Linux

infrastructure using Nagios.

Storage Experience -Experience using EMC Arrays such as VNX, Celerra, and Unity

-Experience with different RAID Types and functionality

-Experience with backup applications including Veeam and tape

solutions.

Window Experience -Performed Active Directory migration from 2008R2 to 2012R2.

-Created, Tested, and built images using both SCCM and MDT/WDS.

-Experience in maintaining an RDS Farm capable of over 100 users.

-Considerable experience using PowerShell for automation and

reporting purposes.

Coding Experience -Non-Compiled/scripting languages: Python, PowerShell, SQL, Bash,

Batch.

-Compiled languages: C/C++, Java.

-Version control via git and SVN.

-Functional experience using AWS and serverless architecture.

Network Experience -Functional Cisco & Juniper knowledge and configuration skills.

-Knowledge of networking fundamentals such as VLANs, ACLs,

standard routing protocols, and NAT.

# EDUCATION

08.2013 – Current Old dominion University

Bachelor of Science in Cyber Security

* Curriculum includes programming in C++, Java, SQL, and Python
* Networking Security (Types of attacks and mitigation techniques.) and Database concepts (Proper sorting and querying, optimizing queries, and general database maintenance.)