

Thomas Zimmerman

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SKILLS

I have an uncanny ability to rapidly learn and a dedication to self-education. I align myself with DevOps methodology and I am charismatic and career-focused. I enjoy team-oriented environments where I am often challenged to learn and collaborate with others to implement new technologies and develop software solutions.

Dev BASH, Git, C# (Visual Studio), Java (Eclipse), Ruby, Powershell, Javascript/CSS

Ops Linux, VMware, Rancher, Docker, Chef, AWS, Jenkins, DNS, vROps, Graylog, OMC

Other Extroverted, Rapid Learner, Technology Enthusiast, Independent Studier

HOMELAB

I operate an always-on ESXi 6.5-based server that consists of dual 2.8GHz Xeon processors and 64GB of ECC memory. I maintain dozens of virtual machines and Docker containers that allow me to self-host my website, learn new technologies for fun, and practice systems engineering and programming.

Software vSphere, Rancher, Docker, Chef, Jenkins, vROps, OpenVPN, LibreNMS, PRTG

Network OpenWRT, Microsoft DNS/DHCP, QoS, VLANs, DMZ, Managed Switch

Domain NameCheap, AWS, NGINX Reverse Proxy, LetsEncrypt SSL, Apache Webserver

EXPERIENCE

Operations Engineer – Blue Medora / Blue Medora Labs
March, 2016 – March 2017

- Server and DNS administration for 50+ software engineers in a VMware environment with 1000 VMs.
- Designed and maintained a containerized infrastructure using Rancher, Docker, and vCenter to control an array of RancherOS hosts with a cumulative active container count of 25-50 and multiple users.
- Installation and load generation of technology that spanned a plethora of enterprise tools including database platforms, infrastructure monitoring software, and the Apache big data applications.
- Automated much of the build process for regular-expression based log parsing software plugins using Ruby and Rake as well as the operating system level configuration required for vROps demos in BASH.
- Used Configuration Management tools like Chef to deploy and configure complex applications.
- Collaborated with the Chief Systems Architect and Product Team to design and build vROps demonstration environments to showcase Blue Medora's software to partners and customers.

System Administrator – Grand Valley State University Data Communications Lab
Sept. 2014 – Sept. 2016

- Planned and performed a site-wide upgrade for 30 workstations from BackTrack to Kali Linux as well as designed a solution to image these machine semi-annually with CloneZilla and PXE boot.
- Designed and implemented an infrastructure of six Cisco APs, four WLAN Controllers, and a PoE switch to integrate new hardware into the curriculum of networking classes.
- Managed all network configuration and management on both the physical and network side for three racks of Cisco routers and switches used to teach advanced network programming and RFID classes.

EDUCATION

Grand Valley State University – Bachelor of Science, Computer Science/Information Systems
Sept. 2011 – Dec. 2016

- Worked with JAVA, C++, and C# to learn methodologies, data structures, algorithms, and web programming.
- Used ASM to learn about computer organization, processor architecture, machine language, and hardware.
- Learned about networking through the entire OSI model using hands-on projects and real hardware.
- Covered advanced mathematics topics including Calculus, Statistics, Boolean Algebra, and Logic Proofs.