Marcus Holtz

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Creative Technologist passionate about joining a firm that uses technology & service. Background in System Engineering, Automation, Web Development, Consulting, and Support.

Resume Info

This resume has been created in a dockerfile built by a makefile and deployed using Github's CI/CD pipeline. The document is published everyday, with a timestamp at the last page denoting it's publishing date.

Download this document: https://github.com/MarcusHoltz/resume-generator/

Technical Experience & Projects

Systems Administrator

2018 - Present

- Detailed visual documentation of network infrastructure, system architecture, process, and policies.

- Built, configured, tested, and deployed Proxmox high availability ZFS solution featuring:

  Incremental 15min snapshotting for disaster recovery using PBS2, cv4pve and Sanoid.

- Created system templates for cloning across multiple platforms and formats:

  CentOS, Ubuntu, FreeBSD, Debian in vmdk, vdi, vhdx, qcow2, & raw filetypes.

- Produced workflows to log and monitor network bandwidth, memory usage, hard drive status, and application uptime using glances, netdata, netflow, & diskover.

Virtualization Administrator

2019 - Present

- Researched cost and risk in leasing at long term off site datacenter.

- Administered networking in virtualized environments, including virtualized edge routing with pfSense.

- Designed, analyzed, optimized network infrastructure and troubleshooting networks and systems.

- System virtualization platforms and tools: Docker, QEMU, KVM.

  Docker was used with virt-io's 9p filesystem to increase io speed

- Deployment and management of headless, bare metal servers in off site datacenter using the model: Debian image > Proxmox baremetal > isolated containers > pfsense routing > haproxy > public internet

- Configured and deployed SecurityOnion IDS within virtualized infrastructure with added SPAN port

- Installation of virtual network infrastructure using: VMware ESXi, Proxmox, Hyper-V, and Xen.

Homelab

My homelab features VLAN network segregation, 6 VMs, ~100 containers, 3 gateways, and multi-tier snapshoting.

Presentations

Browser Privacy

* BLUG (Boulder Linux Users Group) - 11/10/22

* SFS (Software Freedom School) - 9/3/22

    · Link to Slides | Link to Video

Opensource Firmware on Routers

* SFS (Software Freedom School) - 4/1/23

    · Link to Slides | Link to Markdown

Mastodon

* SFS (Software Freedom School) - 12/3/22

    · Link to Slides | Link to Video

Leadership Activies

Software Freedom School

- Software Freedom School board member since March 2023

- Maintain open tickets for SysOps board

- Presented at monthly community meetings

- Team Member in weekly Linux study group

Carbondale SIU

- Built and managed Saluki Student Investment Firm website

Industry Experience

IT and Web Consultation / Freelancing

Holtzweb, Denver, CO

- Established clients' cloud based hosting environments, virtualization, and operations infrastructure.

- Strategized SEO/SEM campaigns across web presence including blogs, email newsletters, ads & promotions resulting in a 40% increase in face to face traffic and web traffic.

Web Development

1187, Mayer Networks, Carbondale, IL

- Created and designed custom website layout/user interfaces

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- Integrated data from various back-end services and databases – election data, employee database, interactive event map

- Worked directly with clients to facilitate business and marking needs

- Executed tests, analyzed data to identify trends and insights using analytics tools and 3rd party optimization tools
- Ensured all site development follows web standards and ADA compliance for accessibility.
- Executed SEO-based initiatives, including website analytics and optimization.
- Fixed broken installs, hacked sites, busted databases, and never-been-updated themes/plugins.
- Repaired, updated, and redesigned new & existing sites.
- Designed custom website layout/user interfaces and custom backends to meet project deadline/requirements.

Education and Training

BS in Finance Southern Illinois University

Linux Foundation Certified System Administrator (LFCS): expected June 24th

Soft Skills

Collaboration, Problem Solving, Communication, Critical Thinking, Creative Thinking, Active Learning, Adaptability, Leadership, Perceptiveness, Decision Making

Technical Skills

Operating Systems, Build and Release, Networking Protocols, Deployment, Source Control, Containers, Configuration Management, Programming, Monitoring

Tools

Unix/Linux, Jenkins, GIT, Salt/Ansible, Puppet/Chef, AWS/VMWare, Docker, Apache/Nginx, Python/Perl, Zabbix/Sensu

Web Development Tools

- CMS: WordPress, Drupal, DNN, Joomla
- SEO: Google Analytics, Piwik, MOZ, SEMRush, Megalytic
- Design: Adobe Creative Cloud: After Effects, Illustrator, Photoshop
- Webserver: Apache, Nginx
- Database: MySQL,Postgres, MariaDB, Redis, MongoDB
- CSS Boilerplate: Bootstrap, Foundation, Tailwind
- Cloud: Azure, AWS, DigitalOcean, Cloudflare

Hobbies

Making mixtapes, Coffee, Beer, My 2 Year Old

LoRA Radio, Network Security, Homelab

References

References: Available upon request.

Last Built on: Wednesday 17th May, 2023