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Jacob Forman

Detail-oriented Systems Engineer with over 15 years of experience in designing, implementing, and maintaining robust IT infrastructure solutions. Adept at systems integration, network design, virtualization, and cloud computing, with a strong focus on optimizing performance, security, and scalability. Seeking to apply my expertise in systems engineering to drive innovation and efficiency within your organization's IT operations.

SKILLS

Operating systems: Windows Server 2003 - 2022, Debian/Ubuntu

Scripting languages: Powershell, Bash, Perl, Batch

-Frontend: PHP, HTML5, Javascript, VueJS

-Backend: Nginx, HAProxy, Apache, T-SQL, Vue Router

Databases: SQL Server, MySQL, MongoDB, Redis, Elasticsearch

Collaboration and Issue Tracking: Jira, Trello, Slack/Teams

Cloud computing: AWS, Azure, DigitalOcean, Cloudflare

Virtualization and containerization: VMware ESXi, Hyper-V, Docker, Proxmox

Networking: TCP/IP, LAN/WAN, Routing and Switching, Firewalls, VPN

Storage: EMC VNX SAN, Synology UC, ZFS, mdadm, LVM, Adaptec, LSI

Services: .Net Framework/Core, MS Failover Clustering, NodeJS

Infrastructure Automation: Ansible

CI/CD: Gitlab, Octopus/Teamcity, Jenkins

Monitoring and Logging: Graylog, Grafana, ELK Stack, Nagios, PRTG, Cacti

Security and Compliance: AWS IAM, Azure Active Directory

EXPERIENCE

ByDesign Technologies, Tampa – *Systems Engineer*

Oct 2010 - PRESENT

- Designed scalable and reliable IT infrastructure solutions, developing comprehensive system architecture diagrams and documentation.

- Installed, configured, and maintained servers across Linux and Windows environments, troubleshooting hardware and software issues.
- Implemented and managed virtual environments using VMware, Hyper-V, and Proxmox, creating and maintaining virtual machines and networks.
- Deployed and managed cloud infrastructure on AWS, Azure, and other VPS platforms, implementing various cloud-based solutions and services.
- Configured and managed network devices, designing and implementing network topologies and VLANs to ensure robust connectivity.
- Managed storage solutions including SAN, NAS, and RAID, implementing and maintaining comprehensive backup and disaster recovery solutions.
- Implemented robust security measures such as firewalls and IDS/IPS, conducting regular security audits and vulnerability assessments.
- Automated routine tasks using scripting languages like Powershell, Bash, and Batch, and implemented infrastructure as code with tools like Ansible.
- Set up and manage monitoring tools, analyzing system performance, and optimizing resource usage for enhanced efficiency.
- Installed, configured, and maintained databases, performing backups, restores, and tuning for optimal performance.
- Developed and implemented disaster recovery plans, conducting regular backup and restore tests to ensure system resilience.
- Implemented load balancing solutions and managed high availability clusters to ensure system reliability and performance.
- Managed user accounts and permissions through Active Directory and LDAP, implementing role-based access control.
- Created and maintained detailed system documentation, ensuring compliance with industry standards and regulations.
- Managed incidents and coordinated response efforts, implementing problem management processes to prevent recurrence.

Forman PA, Tampa – *IT Support Technician*

2008 - 2010

- Provided first-level technical support to users, troubleshooting hardware and software issues effectively.
- Created, modified, and deleted user accounts and permissions in systems like Active Directory.
- Installed and configured software applications on user workstations, ensuring compliance with company policies.
- Set up and maintained desktops, laptops, printers, and other hardware, including diagnosing and repairing hardware issues.
- Maintained an inventory of hardware and software assets, tracking equipment assignments and usage.

EDUCATION

Full Sail University, Winter Park, FL – *B.F.A. in Digital Arts & Design*

2006 - 2008

AWARDS

Most Helpful - *ByDesign Technologies*

December 2012

Certifications and Licenses

CompTIA A+

2010

CompTIA Network+

2015

CompTIA Server+

2016