Hans Knecht

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Experience

Senior DevOps Engineer - Capital One Financial

2018 - Present

- Managed CICD Pipelines for ~75 applications built in Node and Java
- Architected and Supported ECS and EKS infrastructure at scale in AWS using Terraform
- Shortened the feedback loop between Security, Infrastructure, Business Teams, and the Developers to allow for faster and more Agile development.
- Transformed infrastructure from manual creation to IaaC to allow for immutable and automated deployments.
- Cut AWS costs ~90% for the team
- Created effective and manageable alerting and monitoring for the team.
- Published multiple technical articles on Capital One Tech (https://medium.com/capital-one-tech)

DOS - AWS/DevOps Consultant

2018 - Present

- Architected and Automated backup and DR solutions covering EFS, EC2, and RDS in AWS
- Managed Client expectations
- Provided on call support

DevOps/Network Administrator - Kinsale Insurance

2017 – 2018

Team lead on a DevOps/Network team supporting Developers and Operations.

- Introduced and developed a Centralized Logging system using the ELK stack
- Developed CICD Pipeline, SOX Compliant, using Bamboo and Jenkins, to deliver and updated applications automatically.
- Introduced Automated Security to allow for faster feedback and increase security
- Using Ansible, Python, and OpenNebula delivered an auditable IAAC and IAAS system.
- Developing scalable container solutions for tomcat applications.
- Migrated code base from SVN to Gitlab to allow for faster and more integrated pipelines

Systems and Security Engineer at Digital Harbor Inc.

2015 – 2017

Team Lead of 3 for Systems and Security

- Built and architected HA Server clusters using Proxmox VE and migrated from baremetal to a virtualized environment
- Built and Maintained XEN, VMWare, and RHEL Hypervisors for testing and lab environments
- Built and architected a backup and restore system, with SLAs, tiers and ensured 4 9's of uptime
- Built and maintained cross site AD infrastructure
- Lead migration from on-premises to a Hybrid AWS-On-Premises environment
- Used Ansible to automated deployment of applications and IAAC

- Built and Coded Status Pages and Dashboards for services, outages, and workflows using.
- Configured DLP for HIPAA, PII, and PIA on firewalls, endpoints and exchange servers.
- Configured and Managed Zabbix, Trend Micro, ShadowProtect, CarbonBlack, Jira, Tomcat, and Confluence

Level 3 Support at CSS Corp

2014 - 2015

- Provided general troubleshooting and helpdesk support
- Provided AD and Exchange Administration and support
- Provided Network Monitoring and troubleshooting
- Created automation PowerShell scripts for the offboarding process and simple databases for reporting tools
- Managed Linux Server uptime and windows server uptime

Small Business Systems Administrator

2013 – 2014

- Supported Remote employees on troubleshooting hardware and software
- Managed internal network, firewalls, and PCs
- Managed shared storage

Skills

- CICD (Jenkins, Travis, CircleCI, Drone, Bamboo, Gitlab)
- VCS (SVN, Git)
- Configuration Management (Ansible, Chef, Puppet)
- IaaC (Terraform and Cloudformation)
- Container and VM Orchestration (Docker, KVM, ECS, EKS, Rancher, Proxmox, OpenNebula)
- Programming Languages (NodeJS, Python)
- Public Cloud (AWS and Azure)
- Capacity Planning and Cloud Management
- Microsoft Administration (O365, Active Directory)

Language

English (Fluent/Native)
Swedish (Fluent/Native)

Education

Brigham Young University

Computer and Information Systems Security/Information Assurance, 2014 – 2017

Certifications

AWS - Solutions Architect - Associate

AWS - SysOps Administrator - Associate