NICK JACQUES

EXPERIENCE

Target Corporation
Lead Engineer, Cloud Platform   9.2015 – now

» Architected and led implementation efforts for PCI-DSS compliant hosting environment infrastructure in a public cloud provider.

  » Migrated "commerce" applications from traditional co-lo provider to public cloud, resulting in significant yearly savings and increased delivery speeds for applications hosted in the environment.

» Led a small team which architected, engineered, and supported cloud infrastructure services (e.g., VPN, DNS, NAT, etc) as well as integration with Target's on-premise infrastructure.

» Engineered and implemented cloud network architecture as Target re-platformed to a new public cloud provider.

» Developed cloud network architecture by streamlining previous architecture, providing flexibility for future growth, and adapting to services & features offered by the new cloud service provider.

  » Collaborated with many application and security teams to assess architectural needs and the suitability of the proposed architecture.

» Led and participated in high-priority performance and availability impact recovery of hosted apps and infrastructure components.

Engineer, Enterprise Virtualization & Storage   7.2011 – 9.2015

» Architected, engineered, and deployed a second-generation converged virtualization platform to replace Target's original private cloud solution, currently hosting approximately 8,000 VMs.

  » Achieved significant improvements in stability, performance, and speed-to-delivery of VMs over the first-generation platform.

  » VMware vSphere on Cisco UCS compute, NetApp NFS storage, and Cisco UCS & Nexus networking. Researched backup solutions: EMC Avamar and Veeam Backup, backed by Data Domain.

» Engineered, deployed, and operated Target's first-generation private cloud solution, which hosted approximately 7,000 VMs (peak).

  » Reduced VM deployment time from days to minutes and significantly consolidated datacenter server population.

  » Microsoft Hyper-V on Dell blades, with EMC VNX FCoE storage, and Cisco Nexus 7k/5k/FEX networking.

EDUCATION

B.S., Computer Network & System Administration
Michigan Technological University, Houghton, MI   8.2007 – 4.2011

CONTACT

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TECH SKILLS

Certified Cloud Architect
Google Cloud (3.2017)

AWS Cloud Services
EC2, VPC, S3, R53, IAM, & CFN

Google Cloud Services
GCE, Cloud DNS, & Networking

Cloud connectivity
VPN, BGP, & static routing

Cloud Deployment Tools
Spinnaker, Terraform, & Packer

CI/CD Pipeline Tools
GitHub, Jenkins, & Drone

Hypervisor & Server OSes
Hyper-V, ESXi, Linux, & Windows

Infrastructure services
DNS, NAT, NFS, FCoE, & Network

Development languages
Ruby, Bash, PowerShell

PROFICIENCIES

Hybrid cloud environments

On-premise virtualization

Block/file storage systems

Architectural design and systems engineering

Troubleshooting and root cause analysis

Performance-tuning

Coaching peers and partner teams

Campus recruiting and interviewing