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Cloud Solution Architect • DevOps Engineer

Committed Senior Technology Professional who is:

- Well-rounded hands-on solution architect with experience in system, software and integration architecture
- Experienced in scripting, programming, DevOps practices, continuous integration, delivery and automation
- Provides critical cloud and on-prem infrastructure strategies and deployments to improve efficiency and reduce cost.
- Pilots large migrations / transitions to the cloud with zero business disruption.
- Coordinates effectively among business stakeholders and multiple technical teams using Agile principles.
- Leverages extremely deep technical knowledge to pinpoint and lead resolution of complex problems.
- Delivers significant cost savings through scripting and process automation.
- Responsible for the creation of high level and low-level design documents and other technical project related artefacts.

VF Corporation - Senior Cloud Architect (2021 – Present)

Develop solutions architecture, drive scope definition and requirements analysis, provide technical expertise

- Designed the architecture for a new AWS account org master structure using hub and spoke architecture with Transit Gateway and a central firewall for east-west and north-south inspection.
- Created numerous high-level and low-level infrastructure diagrams and charts, architectural ADRs (architectural decision records) for naming and tagging standards, security policies (zero trust), storage retention policies, backups, patching, monitoring and alerting baselines.
- Worked with the mobile DevOps teams on refining and simplifying the infrastructure architecture for the mobile app running the frontend on Kubernetes clusters and microservices consisting of numerous API endpoints hosted with different vendors using Mulesoft as an API gateway.
- Designed the non-functional architecture for the new frontend application and worked with multiple outsourced developers, DevOps teams, scrum masters and product owners across the globe on making sure that all the defined performance, monitoring, scalability and availability baselines and architecture follow the architectural decision records.
- Involved in the design and build of the new Azure account using latest hub and spoke architecture, Azure DevOps for CI/CD deployments and Azure AD for SSO.
- Worked closely with the DevOps team on a daily Agile basis and solution architecting all aspects of integration and deployment of infrastructure builds.
- Hands-on proof of concept designs and builds for numerous internal applications moved to the AWS and Azure clouds and presented the concepts to the DevOps teams explaining the architecture, requirements and challenges.
- Worked with many vendors for evaluation on proof of concept cloud technologies for different use cases, such as Zscaler, Tanium, Check Point, Palo Alto etc.

National Football League (NFL) - Senior Cloud Architect (2020 – 2021)

Design and build of cloud resources, cloud security, new technology developments and automation

- Responsible for helping lead the creation of a technology framework and providing technical expertise in support of NFL IT initiatives in cloud computing and automation, with a focus on the implementation services that run on cloud platforms.
- Responsible for ensuring that critical applications are designed and optimized for high availability and disaster recovery from an infrastructure perspective. This includes assisting in porting and migration of on-prem apps to cloud and ensuring secure and well-designed workflows both hybrid and native.
- Provide senior level engineering work, evangelize best practices, technical lead for NFL cloud end-to-end architectures, including AWS and Azure.
- Designed and implemented a solution for remote vendor access to on-prem resources using AWS Workspaces and Okta MFA with best IT Security practices in mind.
- Involved as infrastructure subject matter expert in a major AI/ML project with AWS Professional Services overseeing the general infrastructure design and deployment.

L'Oréal – Director, Cloud Engineering and Architecture, (2016 – 2020)

Design and build of both on-prem and cloud resources (IaaS and PaaS), new technology developments, migrations, support of hundreds of AWS / Azure cloud servers.

- Provide system architecture, design, build, configuration, testing, implementation, and ongoing governance of both AWS and Azure cloud environments.
- Serve as a primary hands-on technical point of contact among key business users and technical teams.
- As AWS/Azure subject matter expert, coordinate multiple IT vendors and IT teams and govern all IaaS/PaaS resources.
- Created numerous scripts to automate IaaS resource management (snapshot cleanup, S3 size monitoring, IAM management and more) using Lambda and Azure Automation.
- Worked on numerous proof-of-concepts using DevOps tools, such as Jenkins, Bitbucket, Docker and Kubernetes

One of the key contributors of the ongoing multi-million project of migration from on-prem to the cloud.

- Provide infrastructure architecture high-level and low-level design consisting of network connectivity, backup scripts, AV management, transparent proxy design, build and more.
- Coordinated with multiple architects on integration, application and security aspects of the design.
- Piloted building resources using automation tools such as Terraform and Ansible.
- Coordinated and guided multiple outsourced vendors on the build aspects of the migration.

Worked closely with the vendor engineering team to support Managed Services Provider transition.

- Gathered requirements, provided comprehensive architecture subject matter expertise, wrote documentation and ensured coordination among multiple IT teams. Designed and built new standard templates, artifacts and removal of unused resources prior go live.
- Responsible for inventorying all resources in both AWS and Azure clouds prior to migration.

Served as infrastructure architect/engineer and provided key foundational technical setup and configuration contributions to massive, multi-million CRM project.

- Led and guided engineers on the full range of cloud architecture, design, security, and provisioning issues.

Developed foundational infrastructure—including servers, databases and licensing—to enable 3-month 'lift and shift' of 110 heavy eCommerce websites from Verizon to AWS.

- Leveraged AWS capabilities to reduce cost with zero reduction in site reliability.

L'Oréal – Manager, IT Operations, (2006-2015)

Led team of 4 on-prem consultants in operations managing 2 data centers—including servers, OS, hardware and licenses.

- Managed 800+ ESX / ESXi and Hyper-V virtual servers, physical servers and blades and multiple NetApp enterprise storage systems in a multiplatform LAN / WAN environment across several data centers.
- Hands-on management of design and provisioning of all servers in the environment.

Planned and piloted migration of 300+ physical servers to VMware virtualized environment with shared NetApp enterprise storage.

- Configured and networked blades in c7000 chassis. Provided capacity planning, storage creation, and presentation. Worked closely with business stakeholders to address concerns.
- Delivered seamless migration with zero business impact.

Served as a key member in design/implementation of new systems and technologies and leveraged multiple de-duplication technologies—including EMC Avamar and NetApp VTL.

- Provided significant cost savings.
- Delivered zero unscheduled downtime by ensuring full system integration with both old and new storage systems.

Led Windows 2003 upgrade.

- Worked closely with business owners to build consensus and ensure buy-in.
- Personally upgraded 50+ servers to Windows 2008.
- Worked closely with developers on building new servers.

Planned/executed and project managed massive, 4-5 months Ricoh MFP replacement—with 200+ devices at 9 locations.

- Worked closely with vendor, networking, facilities, and client services teams. Provided remote configuration and authored support documentation.

Captured business-impacting, intermittently active worm using custom made honeypot.

- Eliminated workflow interruptions.
- Congratulated personally by the company CIO.

Authored numerous PowerShell, bash, and Python scripts to crawl the enterprise network, search for new devices, monitor AD / DNS environment health, report VMware vCenter metrics, and send daily AIX server capacity reports.

- Streamlined operations, increased efficiency, and grew transparency.

Previous professional experience as field engineer with BMT and Programmer/System Administrator with Vinyl Building Products.

EDUCATION and CERTIFICATIONS

Western Governors University

MBA, Information Technology

BS, Information Technology

Caltech

Post Graduate Studies in DevOps

AWS Certified DevOps – Professional
AWS Certified Architect – Professional
AWS Certified SysOps – Associate
Microsoft MCSE – Azure Cloud Platform and Infrastructure
Microsoft MCSA – Office 365
Docker Certified Associate – DCA
Certified Kubernetes Administrator – CKA
Chef – Basic Chef Fluency

Linux Foundation – Certified System Engineer
VMWare Certified Professional – VCP3 and VCP5
NetApp Certified Data Management Administrator - NCDA
Cisco Certified Network Associate – CCNA
Certified Ethical Hacker – CEH
TOGAF v9 Foundation
ITIL v3 Foundation
Scrum Master Certified

TECHNICAL SKILLS

OS: AWS / Azure cloud services, Windows, ESX/ESXi, Hyper-V, and UNIX/Linux/BSD varieties with all corresponding OS services—including AD, DNS, LDAP, IIS, Apache, nginx, ftp, ssh, pop3/SMTP, SNMP, Samba, and others.

Storage: NetApp ONTAP, iSCSI and FC protocols.

Software: All major backup / monitoring / system software, troubleshooting MS SQL / MySQL / PostgreSQL.

DevOps: Docker, Kubernetes, Grafana, Prometheus, Chef, Splunk, ELK, Jenkins, Jira, Confluence

Network: All major network protocols and basic configuration of Cisco switches, routers and firewalls.

Languages: PowerShell, Python, bash shell scripting, C, C++, C#, BASIC and Pascal (Delphi).

Hardware: Workstations, laptops, HP servers, data center cabling and racking.