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TECHNOLOGY, CLOUD, AND INFRASTRUCTURE LEADERSHIP
Solution Architect • Hands-on Manager • Technical Director • Scrum Master

Committed Senior Technology Professional who:

- Provides critical cloud and on-prem infrastructure strategies to improve efficiency and reduce cost.
 - Goes above and beyond to ensure that technology delivers critical support for business operations within a large corporate environment.
 - 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.
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NFL – Senior Cloud Architect, NJ – 2020 – Present

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-premise 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 USA, IT Director - Cloud Engineering and Architecture, NJ 2016-2020

Lead team of 4-6 consultants in infrastructure design and provisioning new technology developments, migrations, and PoCs supporting hundreds of AWS / Azure cloud servers.

- Provide system architecture, design, configuration, testing, implementation, and ongoing management.
- Serve as a primary technical point of contact among key business users and technical teams.
- As AWS/Azure SME, coordinate multiple IT vendors and IT teams and support all IaaS, PaaS instances.

Major Initiatives

Served as L'Oréal infrastructure architect and provided foundational technical setup and configuration contributions to massive, \$50M CRM project with 135 total Mindtree developers.

- Led and guided 3 on prem and 10 outsourced engineers on the full range of cloud architecture, design, security, and provisioning issues.
- Contributed to server template build and provisioning. Provisioned firewalls and worked closely with outsourced engineering team to ensure secure access.

- Delivered critical foundational infrastructure—including cost / benefit analysis and number of servers—supporting delivery of \$50M, state-of-the-art custom CRM with big data capabilities across all social channels to drive informed marketing, product, and promotion decisions.

Worked closely with outsourced engineering team to support MSP transition.

- Gathered requirements. Provided comprehensive architecture subject-matter expertise and documentation.
- Ensured coordination among multiple IT teams. Built new templates. Automated security groups and tagging. Removed unused resources.
- Managed inventory.
- Contributed directly to C-suite mandated transition from one vendor to another as unified, global MSP.

Developed foundational infrastructure—including servers, memory, 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.

Provided key contributions to migration from on prem to AWS / Azure—including architecture and technical design.

- Supported major strategic transition to the cloud.

Created script to automate server snapshot deletion process.

- Delivered \$350K in savings—through elimination of unnecessary snapshots dating back to 2015.

Authored automated script to determine unused VDI workstations.

- Saved \$350K through retirement of long-term unused workstations.

Developed Terraform scripts to rapidly provision servers—with no vendor involvement.

- Slashed provisioning time from 2 days to <15 minutes.

Produced script to whitelist external websites.

- Streamlined processes and increased confidence in the environment.

L'ORÉAL USA, IT Director – Operations, NJ 2013-2015

Led team of 4 on-prem consultants in operations for 2 data centers—including servers, OS, and HW. Managed 800+ ESX / ESXi and Hyper-V physical and virtual servers and multiple NetApp enterprise storage systems in a multiplatform LAN / WAN environment across several data centers. Managed \$500K-\$600K VMware, MS SQL, and HP licensing budgets.

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.
- Provided ~2M in annual savings.

Served as a key member in design / implementation of new BC / DC 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.

- Upgraded, retired, or implemented 50+ servers.

L'ORÉAL USA, IT Manager – Operations, NJ 2009-2013

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.

Delivered project seamlessly, on time, and on budget.

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

- Eliminated workflow interruptions.
- Personally congratulated by company CEO.

Authored numerous enterprise scheduler PowerShell, bash, and Python scripts to crawl 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.

EDUCATION, CERTIFICATIONS, and BLOG

Western Governors University - MBA, Information Technology / BS, Information Technology
Caltech – Postgraduate studies in DevOps (attending)

Microsoft MCSE – Azure Cloud Platform and Infrastructure • Microsoft MCSE – Windows 2003 • Microsoft MCSA - Office 365 • AWS Certified DevOps – Professional • AWS Certified Architect – Professional • AWS Certified SysOps – Associate • Docker Certified Associate • Kubernetes Certified Administrator • Chef – Basic Chef Fluency • Linux Foundation Certified System Administrator • Linux Foundation Certified System Engineer • NetApp Certified Data Management Administrator – NCDA • VMWare Certified Professional – VCP3 and VCP5 • Cisco Certified Network Associate – CCNA • Certified Ethical Hacker - CEH • TOGAF v9 Foundation • ITIL v3 Foundation • SCRUMstudy – Scrum Master Certified • Six Sigma Lean Black Belt in IT • IBM AIX System p Administrator

TECHNICAL SKILLS

OS: AWS / Azure cloud services, Windows, MAC OS X, 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, postfix, 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

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

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

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