

# Sean T. Constantine

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## SUMMARY

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Skilled and motivated enterprise solution architect specializing in cloud, virtualization, and geospatial technologies with over twenty four years of supervisory and technical experience in the federal and commercial industries.

- Over 24 strong years expertise in solution architecture, systems engineering, virtualization, and cloud services integration
  - Effective background developing architecture framework to align strategy, processes, and assets with best practices and business goals
  - Deep knowledge of Forest Service and USDA enterprise IT environments including Active Directory design and implementation
  - Exceptional at integration and adaptation of new environments, assimilating new technologies and problem solving
  - Proficient knowledge of critical analysis, development, implementation and test to operational environments
  - Provide technical and training details of a solution clearly and concisely to every level of the organization
  - Familiar with architectural frameworks of ITIL 3, TOGAF 9 and COBIT 5
  - Highly motivated, business minded, organized, goal oriented, and energetic individual with strong presentation, leadership and management skills
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## PROFESSIONAL EXPERIENCE

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**2005 – Present**

40-60 hours per week

**USDA FOREST SERVICE (DATALOGIC / IBM GBS)**

Boulder, CO

### Enterprise Solutions Architect

Active Directory:

- Performed initial design and implementation of FS DS Active Directory multi-site forest, FSMO roles, DNS, organizational units, security groups and policy structures maintaining security, integrity of the system as well as incorporating future growth potential.
- Multi-forest domain integration and security design for cross-agency directory trusts
- Performed over 20 complex Domain migrations of directory and messaging systems, utilizing MS ADMT toolkit and Quest migration tools/cmdlets for 40k computer and 200k computer objects.
- Disaster Recovery/Storage: EMC, NetApp, IBM, Microsoft, Symantec/Veritas and CommVault
- Enterprise Architecture within Software Development Life Cycle construct and modeling with Enterprise conceptual/logical/physical; SPARC 3 level

Security and Networking:

- Assisted in development of HSPD-12/PIV/LincPass. Multi Factor Access and X/TACACS+ solutions, to include infrastructure, policy and design
- Familiar with and adhere to all OCIO Security Standard and Guidelines during solution design.
- Network Access Protection solutions development using Microsoft and Cisco Platforms
- Network topology engineering to include Infoblox NAC/DNS/DHCP/IPAM, secure site-to-site links, firewall configurations, VPN services, ENS and cloud routing optimizations

#### Enterprise File System:

- Chief architect and engineer of the Enterprise File System upon which the Data Center Services and Transformation programs provide file and geospatial services. Coordinate with leadership and key stakeholders for business requirements, SAN & NAS design, integration test, and deployment in support of 45,000 users in the enterprise.
- Designed migration of 400+TB of secured geospatial data to cloud environment within tight schedule maximizing technology offering while keeping costs down.
- Designed and implemented encrypted file storage solution for sensitive PII/PHI data for Finance and HR organizations within limited timeframe using best practices for access controls and recovery certificates.
- Created custom solution for mitigating Ransomware attacks on hold of enterprise filing areas to both protect 0-day exploits and known variants.

#### Enterprise Geospatial Application Services / Citrix / Esri:

- Nationwide application consolidation and hosting of geospatial and desktop applications built on Citrix XenApp and Esri ArcGIS Server solutions; providing ongoing design, integration and maintenance for the Engineering/Development, Pre-Production/QA, NITC test and FS Production environments

#### Enterprise Virtualization / VMware:

- Design engineer for the VMware virtualization project which provides infrastructure design to reduce cost and support significantly more application migration projects than could be handled with strictly physical servers.

#### Enterprise Endpoint Protection:

- Lead architect and engineer on the Endpoint Protection solution, replacing legacy clients, providing management for endpoint health & security protection of all Windows Servers and workstations in the enterprise.

#### Data Center Services:

- Key architecture, engineering and design roles in support of infrastructure services and application expertise deployed in the enterprise:
  - Enterprise Active Directory
  - Windows Server Deployment and Clustering to include federal security hardening
  - Citrix Application Hosting
  - VMware vSphere
  - EMC, NetApp and commodity NAS
  - IBM Product Technologies - Tivoli Endpoint Management, Storage Manager, Systems Director, Monitoring, Remote Deployment Manager for OS and software distribution
  - BMC Remedy & ServiceNow
  - SQL Server
  - Identity Management - MIIS/ILM/FIM
  - SharePoint Services
  - Internet Information Server
  - Project Server
  - System Center: Configuration Manager and Operations Manager

#### **2005 – Present**

#### **DATALOGIC**

Atlanta, GA

- Sr. Consultant providing expert consultation in solution architecture, cloud strategy, migration, and delivery of system, storage, network, and virtualization solutions built on Microsoft, Citrix, & VMware technologies.
- Focus on Information Lifecycle Management (ILM) and Service Delivery Lifecycle (SDLC) covering business case development, team and project management collaboration tools, delivery, implementation and support
- Methodological approach for next generation data center solutions to include:
  - Infrastructure-as-a-Service (IaaS) & Platform-as-a-Service (PaaS) implementations

- Successful infrastructure migrations to virtual data center (VDC)
- Private cloud infrastructure architectural design and implementations
- VDI Architecture and deployment using VMware, Citrix and Microsoft solutions
- Multi-tenant, design and deployments with federation
- Public cloud PaaS (Office 365, Google Apps)
- Application virtualization of a wide variety of enterprise business applications
- Microsoft Active Directory, Hyper-V, Exchange Server, Windows Clusters, SQL Server, IIS, Remote Desktop Services, SharePoint, Forefront, and System Center technologies.
- Citrix XenApp and XenDesktop (3.x- 7.13),, XenServer (v5.0-7.1), Provisioning Server, Access Gateway, EdgeSight, and NetScaler
- VMware vSphere HA/DRS, vCenter, ESXi (2.5 – 6.5), View
- Cisco UCS Compute Cluster with ESX
- SAN solutions with EMC VNX/VNXe, NetApp FAS
- Script development and automation tools, using PowerShell, PowerCLI, VB, VB.NET, VB Script, WMI, ASP.NET and other tools.

**1996 – 2004**

**DIGITALGLOBE**

40-60 hours per week

Longmont, CO

- Senior Engineer and Management for implementation of IT infrastructure:
  - End-to-end architecture and enterprise strategy for application virtualization
  - Developed enterprise messaging solution with MS Exchange, AD, incl. migration
  - Enterprise storage architecture including FCoE, iSCSI and with native fiber DAS.
  - Multi-national network, security design, voice systems and VPNs.
  - Data center migration, disaster recovery & facility planning, 1k wkstns / 400 servers
  - Document management, knowledgebase framework, Intranet built on SharePoint
  - Workstation OS migration and deployment
  - Define project scope for development and coordinate consolidation/collocation of multi-flavor (SUN, HPUX, AIX, Linux) UNIX and jump-start environments.
  - Operating procedures for reliable, cost-effective, low maintenance, 24/7 support.
- Manager of Commercial Sales for Domestic and International direct sales:
  - Domestic & international direct sales, and North America reseller network
  - Led cross functional team introducing major new products into marketplace
  - Deep relationships with customers, suppliers, corporate management
  - Revamped product life cycle program with emphasis on product inception through volume ramp

**1995 – Present**

**INDEPENDENT CONSULTING**

- Owner and principle consultant for extensive, diverse market segments in commercial and federal sectors providing expert consultation in cloud strategy, solution design, migration, and delivery of software/infrastructure/platform-as-a-service and subsequent network, storage and virtualization components from Microsoft, Citrix, Cisco, EMC, & VMware
  - Healthcare & Medical (Quicksilver Scientific, Integrated Health Care, BCBS)
  - Education (University of Colorado, School of Education, Yammer portals)
  - State (Atlanta Regional Commission)
  - Real Estate (HCO Investments, EquityConnect, Auxilium)
  - Financial (Banctek International Card Services, SubDataPro, VC Dynamics)
  - eCommerce & Retail (VIOsoft, Royal Discount, multi-million \$ online retailers)
  - Media (42 Productions, Post & 3D Animation Studios)
  - Travel & Leisure (AdventureLink, Adventure Central)
  - Confidential Clients (TSS Security)

**1993 - 1996**

**INFORMED ACCESS SYSTEMS**

Fulltime

Broomfield, CO

- Lead engineer responsible for IT system security, configuration procedures and workstation deployment, to include project management and standardization.
- Datacenter relocations, designing and implementing LAN and server infrastructure.
- Product and vendor evaluations purchase recommendations consistent with the organization's short- and long-term objectives.
- Development of all IT training materials for the user community

**1991 - 1993**

**ASTARTE FIBER NETWORKS**

Fulltime

Boulder, CO

- IT support and management of recruiting, staffing, and personnel maintenance.

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**CERTIFICATIONS/COURSEWORK**

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- Microsoft Certified MCSE, MCITP, MCTS
- Microsoft Silver Partner and Citrix CSA Silver and TLP Partner
- Citrix Certified CCA
- VMware VCP
- IBM, Dell, HP/Compaq Certified / CompTIA A+
- Cisco MDS FICON
- Cisco IOS & Ethernet - Network Associates
- RedHat Certified Technician
- Symantec Vertis Volume Manager
- Managerial, technical and business leadership course trainings
- U.S. DoJ/DoD Security Clearance - current: NACI, previous sponsorship: Top Secret