James deCrescenzo Jr.

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Application & Systems Security Architect Engineer
Tanzu Director Design Architect

I am an Easy going passionate nice guy manage multiple people and build great systems. An accomplished professional with 20+ years of experience in the Information Technology industry and an outstanding record of achievements. Holds a reputation amongst associates and clients for communicating complex information and concepts in simplistic forms for all levels of skill, knowledge and organizational level. Sophisticated technical knowledge and experience understanding how to unify technology concepts and innovation with business performance goals and client service. Brings reliability in achieving sales and growth objectives. Love being creative generating new ideas and a master at upgrading and or for fixing applications and complex infrastructure systems.

## **Achievements**

* Tanzu Director Architect, with the network, build support and development team built application to run on Tanzu. Designed and build 9 redundant, 2 hybrid, 3 development systems and 2 productions systems East west coast fully redundant. Built directions instructions designed the entire system and created documentation in VMware and azure for systems 5 million transactions. Trained the developers the build team the project managers and my managers. Designed the Tanzu  global system and the container and designed all the tier security systems.  Updated all the documents and client forms to handle Tanzu builds
* Built a company from the ground up, set vision and executed strategy
* Led team that designed / executed migration strategy to O365 for 10,000 global users
* Through team leadership, sold 5 major financial institutions and 100+ job orders
* Reached goal to create a product system and technology that is patentable, sellable and tapped a new market segment
* Created a customized Self Service Cloud portal and sold customers to finance the build, development and testing; filed three U.S. patents
* Created VISO Diagrams and PPT for full system documentation with over 4 Million lines of code and a system for thousands of users spanning 2 data centers with full redundancies and full up time to 1,000 servers under management
* Have won over 100 Application, Cloud, Voice, Data Center industry awards

## **Professional Experience**

Cloud Application Systems Architect, Infotech/HCL/Conduent, Ft Lauderdale, FL July 2021 to Current

* Consult on approximately 10 projects re-engineering and designing networks and cloud systems for large enterprise, multi-location businesses. Including 3 company data Centers and Azure.
* Primary worked on the Modernization Projects, I am helping them connect the dots on 3 Fairly large applications that run on 15 to 70 VM’s. Worked with the Dev team extensively on application design and better storage and process, data and work flow through the application
* Collaborate and provide technical expertise to client and provisioning team during full cycle sales process through product and service implementation.
* Communicate and co-coordinate strategic / global technology initiatives and infrastructure refresh activities across all regions.
* Analyze and improve overall process of data collection and internal process.
* Redesign of systems virtualization, VMware, Vcenter, Azure, Windows, Linux virtual machines, Kubernetes Containers, Call center applications, Citrix and VDI as well as firewall security and access from remote locations users and servers.
* Working with Application team and design on Transportation IoT devices
* Take running Azure and legacy Systems that have no developers and or documentation and document and redesign for security and cost savings.
* Gather information from application team and clients for application discover needs and build that into a 99.998% uptime system, with development and production as well active active high availability environments with load balancers, application gateways and firewalls with layered security for PCI and Non PCI.
* Insure in Security Architecture design for application network and infrastructure in Azure and VMwhare PCI and FedRAMP, NIST, SOC1 and SC 2.
* Designed and setup VMware Tanzu system, in Azure and in Company data centers set company systems process security and standards. I have designed several aspects of the tenant level Tanzu environments, Including design database archiving, warehouse streamlining process learned from issues on existing version.
* Updated the security posture improved on and the groups to match a much better format and bring it up to soc2 pci compliance the master sheet will also create the groups for submission to SECURITY RISK then AD pre server and insure proper security is setup on the servers the Tanzu environment and OS and Application and data drives. Insuring the users a have only the access they need..
* Update forms and process to streamline errors and duplicate work.
* Lead team for each project from Intake, Design, Cost, Present, Document, to Build then Run teams. Make sure Application is fully documented, has all the security standards and the proper infrastructure to support application and systems from data center to client locations.
* Consulting on application design, using best practices for data storage and archive, using problems we face today with the prior version of the software and applying that concept and directing the dev team to take these issue into account and fix them for the future so the application is designed for the infrastructure and the right way. Saved money and eliminated common outages and backup problems, there understanding what they are programming works from a 3-tier storage system fast class Near line and nas as bell as well as proper DB archiving
* Working with application and installers on issue with access or installing certificates or getting SQL always on trouble shooting.
* Designed a cross platform system where they can template servers for the application across hybrid cloud to customer on prem, Azure or Our data centers using VMware
* Introduction of a middle ware like power scale and MinIO to better manage and consolidated the storage between Dell and HP systems stems and with data cycle management we can better manage what uses what class of storage.
* Created a system using business intelligence and AI to improve OCR

**Technical Scope Highlights:**

* Network redesign and designing redundancies: current and proposed wide area networks,
* Redesign and implementation of Systems, Consolidation, Cloud Migrations, Hybrid, data security redesigns, utility computing including: Onsite Data centers, Conduent Data Centers & Azure; design of redundancies and Hybrid Clouds.
* Redesign of systems virtualization, VMware, Vcenter, Azure, XenServer, Tanzu, Windows & Linux, virtual machine. HP Storage, dell storage, and Mino
* Oracle ECM, SQL always on and cluster database, database intelligence and redesign
* Application design, for cloud optimization, image & Video processing vendor section, custom database and application design enhancements, call & interaction center systems.
* Application design, for Android and IOS, image & Video processing vendor police and court access, application design enhancements, including call & interaction center systems.

Cloud Systems Architect Engineer, Your Office Smarter, Ft Lauderdale, FL 2020 – July 2021

Rebuilt a new version of my office as server technology built a completely redundant 60 Server system. Half in the Datacenter on VMware and Half in Azure. Sold majority and control of company

Collaborate and Managed Team thought this project, Developers, Built a 60 server fully redundant GEO load balanced application hybrid cloud. The application Covers Azure, VoIP, RDP, Conferencing, File Storage, and O365, Active Directory and a mixture of Windows and Linux.

* Work with a team of 20 team to update code in the entire system with 18 sub applications within the platform. Software Architect, while providing programming expertise and database, infrastructure support to developers, I Build the 60 Server System, Documentation and added security with penetration test. Check out. https://youtu.be/3PQD5kX0C4Y
* Communicate and co-coordinate lower prices on Azure and TierPoint and all vendors
* Disaster prevention insuring 99.9999% uptime and Highest level of security.
* Setup up strategic / global technology relationships so infrastructure can be fully delivered and serviced across all regions in the world.
* Implemented Version Control and procedures for upgrading application servers with 0 down time.
* Analyze and improve overall process of data collection and internal process.
* Created Business Analytics with Tableau.
* Full monitoring on all servers, Systems DC and network.
* Designed and created over 50 new features in the platform
* Full Android and IOS APP to match online app of 8 main applications and 14M lines of code
* Designed and created over 50 new features in the platform

Cloud Systems Architect Sales Engineer, Resourcive, Ft Lauderdale, FL 2016 - 2020

Consult on approximately 28 projects per month re-engineering and designing networks and cloud systems for large enterprise, multi-location businesses with more than 500 sites.

* Collaborate and provide technical expertise to sales and provisioning team during full cycle sales process through product and service implementation.
* Communicate and co-coordinate strategic / global technology initiatives and infrastructure refresh activities across all regions.
* Analyze and improve overall process of data collection and internal process.

**Technical Scope Highlights:**

* Network redesign and designing redundancies: current and proposed wide area networks, SD WAN, MPLS, SIP, UCC, Traditional Voice.
* Redesign and implementation of Systems, Consolidation, Cloud Migrations, Hybrid, data center moves, utility computing including: IBM, AWS & Azure; design of redundancies and Hybrid Clouds.
* Redesign of systems virtualization, VMware, Vcenter, XenServer, Windows, virtual machine.
* Exchange upgrades, 0365 transfers, hybrid Exchange and 0365, Skype/Skype for business.
* Application design for cloud optimization, vendor section, custom database and application design, POS, hosted VOIP, call center systems.
* Designed Full Android and IOS APP for various clients and services voice, video and data

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**Founder / CEO, Internet Area Network Inc.**, New York, New York 2004 to 2016

Formed new company and created a customized Self Service Cloud portal that ran all back office through the cloud. Sold in 2016. 4,000 users, 3 fully redundant dtacenters.

* Chief Architect of iAreaNet company and platform; built a full redundant active datacenter redundant system, for voice, IAAS, data, applications, SMS, unified communications (UCaaS) and MS Exchange.
* Managed, with technical oversight, 29 junior and senior Engineers and 26 Developers in all critical systems areas: Server Platforms, Virtualization, Cloud, Citrix, Microsoft.
* Analyzed costs, value, risks of information technology to advise company leadership.
* Hired and managed teams of Engineers responsible for: standing up network, compute, PBX/UC, storage and virtualization stacks including programming.
* Ensured all technology stayed within budget and was delivered on schedule.
* Facilitated execution of innovative technologies and services worldwide.
* Provided framework for engineered solutions, strategy and roadmaps with the global infrastructure group; applied necessary logic, analytics and quality assurance as it applied to proof of concept, prototype or pilot.
* Now just hold the patents
* Designed Full Android and IOS APP for entire voice video chat and data applications
* www.iareanet.net

**Technical Scope Highlights:**

* Systems design of datacenter, security, combining Unified Communications, PBX, SMS, Messaging, hosted Exchange, hosted desktop VDI, IAAS, Conferencing, social media and analytics in one platform, with necessary management & control systems for easy provisioning.
* Heavy CISCO and VMware: vCenter, Xen Server, Windows, virtual machine, including front end & Open stack,
* Terminal server, Citrix and other remote desktop technologies, created custom software and patent systems for hosted desktop, expert in video and voice over terminal server. & RDP, HTML
* High availability, Hosted Exchange, CAS array, front end and back end servers. Over 100 TB of data. Started with 5.1 upgraded each step 200, 2003, 2007, 2013 & 2016.Custom integrated apps and voice systems into exchange & Lync & Skype.
* Complete cisco shop, switches routers firewalls, core switches, sd wan, iwan ,large carrier datacenter and voice core switches, know all the command line, as well as call manager.
* Expert in network Security and Enterprise Support Automation.
* Self Service Cloud portals, for MACD, based on VMWare, OpenStack, Microsoft and other virtualization technologies.
* Systems design of Tier 1 datacenters, Presented & Built virtualization technologies (vSphere, VDI & Cloud), Created various Visio diagrams detailing specifics of compute, storage and virtualization architecture and suggestions managed development groups for building redundant cloud and communication systems including IAAS, PBX and VDI.

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**Internet Data Storage & Systems Inc. 2000 to 2004**

**Founder and CEO**

Built company, Data Center, sales force, and grew to 14M in sales (sold company in 2004.

•Managed Office Staff, Office Managers and Business Partners.

•Managed a group of independent network consultants that work on specific projects for Company.

•Built Data Centers on contract.

•Designed and develop new products and systems to be sold by IDSS including Remote Unified Messaging and Contact Center.

•Worked with CIO of the company to ensure all systems are built and managed by our technical advisors properly.

•Design, architect and implement large web based global high availability and business continuity solutions for clients.
•Design, architect and implement large Android and IOS high availability applications for clients.

**Deliotte & Touche 1998 to 2000**

**Tri State NT Administrator**

**Network: 800 servers**

**Responsibilities:**

•Tri-state administrator for 800 servers. Designing, incorporating, developing and building Servers for the Enterprise.

•Including; Exchange, IIS, DHCP, SQL, Domain Controllers, CC Mail Routers, Lotus Notes, Enterprise backup servers and many other dedicated application servers.

•Worked heavily with full redundancy; including server clustering, mirroring and load balancing.

•Project Leader, Developer and Designer of systems & Data Center for tri state. Created and implementing Domain Structure for Tri-State, to allow for the rollout from cc mail to Exchange.

•Worked on Meridian phone system and developed Contact Center virtual office capabilities to allow agents to log into any phone within the enterprise.

•Developed Contact Center software to allow agents to work from any device.

•Built a collocation tracking database and collocation center in New York and Jersey City.

•Created Contact Center helpdesk for tier-one through tier-3 support for 300,000 users, with full Contact Center integration into ticketing system, email, active directory, and HR systems.

•Connected all of Deloitte’s locations on a new fiber network, with the core of the network in the tri-state triangle (we routed voice, data and video through Cisco equipment using fiber between sights.) WAN, LAN trouble shooting, support for Netware and on a full ATM backbone.

Configuration of Cisco routers for VPN access with Deloitte offices, ISP’s and vendors

## **Education and Certifications**

**State University of New York at New Paltz**

**Major:** B.A. Marketing Management; B.A. Electrical Engineering

Minor: Architectural Design ATEC

**Certifications:** Microsoft Certified Systems Engineer (MCSE), Microsoft Certified Trainer (MCT), Novell Administrator, Cisco Network Associate, Fluke, 3com, Lucent Training
System Analyst, Trainer in MS and CISCO

* [Tanzu Kubernetes](https://www.googleadservices.com/pagead/aclk?sa=L&ai=DChcSEwiT0JeprOz5AhUa8uMHHTlDBd8YABADGgJ5bQ&ohost=www.google.com&cid=CAESauD2d2i4jbO_mNe0FPHpEWflpr3FA34TdZQB4DpRgm3WSyYR-5Ra7wYnVujCa4N0kbxG32pypfH-UFk8t-JgDoxvdOqXA9UgibUzZpaWXXCw6pgwrDuBUXf9IX4SVYTrYsNj5Clnk1up95Y&sig=AOD64_1jhuG8oldXMa6yPQjaHYQctQ-1tw&adurl&ved=2ahUKEwi3nYyprOz5AhUCsDEKHWWICqYQqyQoAHoECAIQBQ)
* Cloud, IaaS, PaaS, OaaS, SaaS
* SDWAN, WAN, LAN, VPN, IPSEC, SOC, OQS
* Voice and data remote employee systems, Terminal Server Citrix, Citrix, Ericom
* Extranet/Internet Rollout Projects, Web based Voice and data Cloud systems
* IaaS, Virtualization, VMware, Xen, OpenStack. On App, HPE, Citrix
* BPO of enterprise server platforms: UNIX OS’s; Lynx, Windows, Solaris
* Interoperability and Protocol Knowledge: Large Scale Networking Design of IP, VoIP
* Asterisk, Microsoft Lync, Cisco Cube, Call Manager, Unified Communications
* Management Systems & Contingency Center Design
* Business Continuity and 100% voice and data reliability
* High Speed Switching, ATM Backbone Design and Network Segmentation
* Business Analytics Tableau Software
* All contemporary wiring specifications; Fiber, ATM, Ethernet, FDDI, SAN
* Voice PBX Systems and Least Cost Routing Analysis
* Wide area Network Design
* Manage and maintain the Development and Test Center
* Demonstrate/present virtualized environments (Private Cloud & VDI)
* Deploy vRealize Automation cloud environment for the DT&E lab
* Configure customized Self Service Cloud portal for ease of use
* Create Engineering design documents (EDDs) for various environment builds
* Create processes or Standard Operational Procedures (SOPs) for each environment
* Create technical VISIO Diagrams for various management and customer environments
* Upgrade VMware vSphere 4.x & 5.0 to vSphere 5.5 update 3
* Convert applications and physical systems to virtual systems (P2V)
* Manage and maintain various storage arrays including HP EVA, 3PAR, Left-hand P4500, VNX

**Operating Systems**:

***Microsoft, Unix, Linux Cisco, Netscape, Novell, Lotus***

* Windows 2000-2018, advanced server, using clustering, and load balancing. LDAP programming, logon scripts, security policies. Windows exchange 2000-2016, internet information server 5.0, Sql 2000-2018, Oracle 8i -10, Netscape IPlanet, Netscape LDAP, windows Server, Workstation, NT3.51server, NT3.51workstation, 98, 95, 3.11, Small Business Server, Exchange Server, CC Mail Server, Mail Routers, Internet Information Server, DNS Server, DHCP Server, Proxy Server, Site Server, NT Enterprise Server, Clustering, Load Balancing, SQL Server, RAS Server. Right Fax Server, Modem Server, and Windows for Workgroups, DOS, and Migration Tool for Netware Integration with UNIX and Novell Networks, Compaq Integration Server, Compaq insight manager XE server.

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**Technical Skills – Operating Systems (continued)**

* ***Novell NetWare****Novell 5.0* Novell 3.11, Novell 4.11, Novell 5.0 Novell client32, Novell client for dos. Integration with NT Networks, Manage Wise, NDS.
* ***UNIX* / Linux**Transcend, HP Open view. Linux, Terminal Server, SCO UNIX Server, Facet Win DJ Win, Terminal Emulation, Integration with NT Networks.
* **Applications**:
Cloud Solution Architect, OnApp, VMware, AWS, Open Stack, Xen Server, Citrix, Ericom, Back office, Access, Excel, Word, Power Point, Outlook, Word Perfect, CI/CD, Visual Studio, VISIO, CAD, Photo Shop, CC Mail, Lotus Notes, Corel Draw7&8, Front Page, Photo Shop, Evolve, FoxPro, American Fundware, ADP, ClickNet, Real World, Lacerate Tax Software, Quicken, Connections, Lap Link, TechNet, NT reskit, Ghost, Unified Messaging, drive Copy, Arc Serve, Arc ServeIT RAID devices for, Backup Exec, DOS, Inculan, Right fax admin , Hp jet Admin, Eco Scope, Manage Wise, Compaq insight manager Support Magic, Transcend, Fluke. Container, Kubernetes, Azure Policy, Azure Advisor, AIP UL, DLP, VNET, Subnet, NSG, Hub-Spoke network, WAF, Azure DDoS

**Communications**:
Firewalls, Cisco PIX, Cisco Cube, Braodsoft, meta switch, Cisco Call Manager Asterisk, Lync SKYPE, SMS, V WAN’s, mail gateways, voice ip gateways, Outlook, Exchange, Proxy, Internet Explorer, RAS, Dial up Networking, Virtual Private Networks (VPN), Telnet, CC Mail, MS Mail, SNMP, FTP, SFTP, TCP/IP Subneting, Superneting, IPX/SPX 802, 803, NetBEUI

**Programming**:
Cloud Solution Architect, Microsoft .net, SQL,MySQL,C++, Java, DOS

**Web:**
Site Server, MS Access on the Web, Front Page, E Commerce, HTML, VPN.

**Hardware:**

**IBM**, DELL. HP, Quantex, Micron, HP, Acer, Notebooks, CISCO, Modems, NIC, Hard Drives, Scsi, Tape drives, Zip drives, CD, Recorders, ISDN, T1, DSL

**Physical:**
OC3’s, 3Com: Core builders, Access builders, Path Builders, ATM, Frame, PBX, Voice, Data, Video, CISCO, Gigabit Ethernet, Gigabit Fiber; Routers, Switches, Hubs, Patch Panels, Bay networks.

**Security**

Azure and VMwhare PCI HIPPA, FedRAMP, NIST, SOC1 and SC 2.

Microsoft Defender for Endpoint, Defender for Identity, Defender for O365, Defender for Cloud Apps, Defender for Cloud, Sentinel, Defender for IoT,Encryption, KMS, Secret, IAM/RBAC/MFA/SSO, SOAR, Vulnerability mgmt., Logging, PKI...)