

# JAMES DECRESCENZO JR.

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## PROFILE

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**Sr. Level Cloud Solution Architect and Cybersecurity Expert** with extensive experience leading complex, highly technical security infrastructure projects, modernizing applications, and implementing full suite of cyber engineering services to Government, Transportation/Logistics, Finance/Banking/Insurance, E-commerce, Healthcare, Retail, Private Equity, Legal, Startup, and Construction clients. Strong combination of business acumen and technological expertise to drive the development of scalable IT strategy and roadmaps and ensure harmonization across the enterprise. Other strengths encompass:

- ▲ Full Stack Multi Cloud Architecture
- ▲ LAN, WAN, VPNs, Firewalls, Routers
- ▲ Enterprise Resource Planning Systems
- ▲ Encryption & Key Management Controls
- ▲ Disaster Recovery Planning/ Business Continuity
- ▲ DevSecOps Controls/Enhancements
- ▲ Championing Innovation/Reengineering
- ▲ ITIL, ISO, COBIT, CIS, NIST Frameworks
- ▲ Cloud & Cybersecurity Governance
- ▲ Cloud Platforms (AWS, GCP, & Azure)
- ▲ System Design/Architectures
- ▲ Database/Center Design
- ▲ AI Virtualization & Automation
- ▲ Compliance/Risk Management
- ▲ Scripting/Programming

**Proven ability delivering high visibility global projects**, meeting or exceeding internal and client demands, expectations, and deadlines with remarkable deadline sensitivity. Highly creative with upbeat, persistent style and the ability to produce creative solutions to enable continuous innovation. Exceptional ability to build and mentor cross-functional teams, including developers, engineers, and security experts. Extremely organized, trusted advisor and partner with Leadership, integral in balancing real-world risks with business drivers to deliver capabilities with speed, agility, and consistency that produce innovative results and create shareholder value.

## PROFESSIONAL EXPERIENCE

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**JR SECURE DESIGN LLC | FORT LAUDERDALE, FL**

**01/2020 - PRESENT**

### ■ **Cloud Solution Architect/Director of Engineering**

Develop and lead a compact consulting and technology integration firm providing design, build, and ongoing maintenance of mission critical technology infrastructure/modernization solutions infrastructure, cyber security, disaster recovery, and multi-cloud systems. Technical services encompass server/network design and implementation, data center architecture, hardware/software design, and onsite/remote support.

#### Solutions Architecture

- Design end-to-end solutions that encompass architecture, systems integration, and application development, taking into consideration scalability, security, performance, and user experience for a variety of industry verticals.
- Provide expert technical leadership and guidance to development teams throughout the entire software development lifecycle, from design to deployment.
- Identify and evaluate cutting-edge technologies, tools, and frameworks to enhance system performance, efficiency, and innovation in Azure, VMware, AWS, PCI, and NIST, SOC2, LDAP, Active Directory, O365, Azure Security, Veeam Backup, and Carbon Black.
- Effectively bridge technical and business languages, viewpoints, and capabilities to create a clear, shared understanding of process and solution requirements to drive the business forward.

#### Cyber Security Strategy

- Establish a strategic security architecture vision, including standards and frameworks for medium to large enterprises.
- Implement the Firm's Cybersecurity Strategy by architecting, engineering, deploying, and operating technical security controls as they related to virtual machines, storage, key vault, database services in enterprise on-prem and Cloud environments.
- Serve as Subject Matter expert focused on multiple technologies within the Security domains (Security Engineering, IAM, Cloud Security, Data Security, Network Security, Encryption, Privileged Access Management, Federation etc.).
- Leverage strong Incident Response skillset using Zero Trust principles, MITRE ATT&CK and Cyber Kill Chain frameworks to conduct threat modeling in order to determine major threats.
- Work with relevant internal IT Application, Infrastructure, Network and Support teams to ensure that security controls are implemented at all significant layers, test those controls, and perform gap analysis to find areas of improvement.

#### Notable Projects

- **Tender Loving Care (TLC) Startup:** Spearheaded the launch of a subscription-based e-commerce store and IoT mobile application, & Artificial Intelligence overseeing the project from ideation to delivery. Oversaw a multifaceted team of 20, introducing over 50 new features to enhance application functionality and user experience.
- **Florida Blue:** Led design and implementation of robust security architectures across Azure, AWS, and VMware platforms to enhance reliability and security posture across multiple applications, ensuring readiness for critical milestones such as open enrollment.
- **Gotham Telecom:** Led modernization of a crucial CRM Application infrastructure and cost saving AI analysis MSP management system. Transitioned from a traditional virtual machine-based environment to a multi cloud cutting-edge Kubernetes TKG and PCF environment. Redesigned to optimize infrastructure, virtualization, storage including VMware, vCenter, Azure, AWS, Windows Server, Linux virtual machines, Kubernetes Containers, Call center applications, Citrix, and VDI, as well as firewall, security system and access for remote locations users, servers, IoT & edge devices. (Cont. P2)

## PROFESSIONAL EXPERIENCE - (CONTINUED)

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### JR SECURE DESIGN LLC - (CONTINUED)

- **Conduent:** Led a team responsible for modernizing 10 design projects for a large enterprise transportation platform with multi-location government systems. Re-engineered and combed applications, using AI and application modernization, data flow and cloud systems to improve efficiency and reliability achieving \$100k monthly cost savings and eliminating outages.
- **Gibson Guitar's:** Upgraded headquarters with a new data center, critical data migrations, and streaming service for 2M+ viewers. Oversaw application and infrastructure analysis, devised migration strategies, and spearheaded the modernization of various projects to enhance performance and sustainability.
- **Ethan Allen:** Developed a Global SD-WAN Edge device tailored for the retail sector, integrating POS, Office 365, and CRM across thousands of outlets for extensive user networks. Streamlined Ethan Allen's technology during M&A processes, consolidating comms systems across thousands of locations.

### RESOURCIVE | NEW YORK, NY

01/2016 - 01/2020

#### ■ Director Solution Architect

Recruited to create the technology vision and lead solution architect strategy and roadmap, and Agile teams to build a MSP cloud practice focused on assisting large enterprise clients with over 2000 locations in re-engineering and designing their networks and cloud systems. Hired and managed a team of Solutions Architects, managed client budgets up to \$5M, and delivered on average 28 projects/month.

#### Senior Leadership

- Owned, defined, and advocated for the long-term technology vision of Resourcive's Ecosystem including standards, processes, data, and tools to ensure the Information and Data Strategy was in alignment.
- Established and maintained strong relationships with key business partners, team members, and other stakeholders so that IT had a robust understanding of their needs and how best to meet them.
- Effectively bridged technical and business languages, viewpoints, and capabilities to create a clear, shared understanding of process and solution requirements to drive the business forward.
- Participated and advocated with client leadership to develop, validate, and maintain their strategic plan and to prioritize their portfolio for the highest value realization aligned with overall company goals and objectives.

#### Select Highlights

- Redesigned Global networks for improved performance, redundancies proposing and implementing wide area networks (WAN), software-defined WAN (SD-WAN), MPLS, SIP, UCC, and traditional voice insured network security for clients.
- Managed redesign and implementation of systems for consolidation, cloud migrations, hybrid cloud, data center moves, and utility computing, including IBM, Tier Point, AWS & Azure, design of redundancies and hybrid clouds. Implemented Azure Defender and Microsoft Sentinel for added security.
- Redesigned systems virtualization, including VMware, vCenter, Xen Server, Windows, and virtual machines, ensuring efficient and effective use of resources.
- Updated security design, including encryption, tokenization, RBAC, ABAC, DLP, PCI HIPAA, NIST, SOC1 2, ISO 27001, ensuring compliance and security.
- Managed Exchange upgrades, O365 transfers, hybrid Exchange and O365, Skype/Skype for Business, ensuring smooth transitions and minimal downtime, LDAP, Active Directory, O365, D365 Azure Security with Zero trust principles.
- Designed applications for cloud optimization, vendor selection, custom database and application design, POS, hosted VOIP, call center systems, and analytics, including Power BI, Tableau, and Crystal Reports.
- Developed Full Android .NET and IOS APP for various clients and services, including voice, video, and data.
- Integrated AI and IoT enterprise services to improve overall efficiency and effectiveness of systems.
- Migrated thousands of data centers and applications to the cloud, including VMware, AWS, Azure, HPE, TierPoint, IBM.

### INTERNET AREA NETWORK INC. | AREANET | NEW YORK, NY

02/2008 - 06/2016

#### ■ Chief Technology Officer

As a visionary entrepreneur, formed a new product company and developed a highly innovative, customized Self Service Cloud portal providing a comprehensive solution for running all back-office operations through the cloud, including Infrastructure-as-a-Service (IAAS), Platform-as-a-Service (PAAS), and Software-as-a-Service (SAAS). Hired and mentored a staff of 70 employees, including Solution Architects, Security Engineers, Managers, and sales team.

#### Solutions Architecture

- Chief Architect for iAreaNet company's application and platform, building a fully redundant, active datacenter with PAAS, IAAS, SAAS systems and diverse cloud migrations including VMware and AWS. The .NET applications included voice VDI, SMS, unified communications (UCaaS), MS Exchange, Power BI, Tableau, and Crystal Reports.
- Architected applications and platform with robust security frameworks, aligning with standards like PCI, HIPAA, and FedRAMP. (Cont. P3)

## PROFESSIONAL EXPERIENCE - (CONTINUED)

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### INTERNET AREA NETWORK INC. IAREANET - (CONTINUED)

- Instituted a Cloud Security Application Infrastructure Architecture Review Board and designed self-service cloud portals.
- Executed disaster recovery audits and solutions, maintaining an exemplary system uptime of 99.999%.
- Architected web-based global high-availability solutions and developed extensive Android and iOS applications.
- Designed self-service cloud portals for MACD based on VMWare, OpenStack, Microsoft, Microsoft Dynamics, and other virtualization technologies.
- Conducted UI/UX and backend application design, DevOps, and implemented change, incident, and problem management.
- Created custom software and patent systems for hosted desktop, expert in video and voice over terminal server, RDP, HTML, and .NET.
- Migrated thousands of on-premises solutions to the cloud, including OnApp, VMware, AWS, Azure, OpenStack, Xen Server, Goggle GPE, HPE, IBM SoftLayer, HPE Helion Citrix, Eircom, virtualization, cloud, Citrix, Microsoft, Azure, and Dell EMC.

### Cyber Security

- Designed security systems including encryption, tokenization, RBAC, ABAC, DLP, PCI HIPAA, FedRAMP, NIST, SOC 1, and SOC 2, ISO 27001, and Zero trust principles.
- Designed security for HIPAA, FEDRAMP, ISO 27001 and SOC 2, including single sign-on (SSO) and multi-factor authentication capabilities using Okta and Ping, IBM Open Pages, and IBM Watson integration.
- Pioneered Cloud Security Application Infrastructure Architecture Review Board.

### Data Center Design

- Designed systems for Tier 1 datacenters, presented and built virtualization technologies (vSphere, VDI, and cloud), and created various Visio diagrams TOGAF detailing specifics of compute, storage, and virtualization architecture. Managed development groups for building redundant cloud and communication systems, including IAAS, PBX, and VDI.
- Designed systems for datacenter security, combining unified communications, PBX, SMS, messaging, hosted Exchange, hosted desktop VDI, IAAS, conferencing, social media, and analytics into one platform, with necessary management and control systems for easy provisioning. Utilized Azure Defender and Microsoft Sentinel.

## EDUCATION + CERTIFICATIONS

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**Bachelor of Arts Degree in Electrical Engineering**, State University of New York at New Paltz

**Microsoft Azure Solutions Architect Expert (ASAE)**  
**Certified Microsoft Certified Systems Engineer (MCSE)**  
**Certified Machine Learning Cloud Architect (MLCA)**  
**Certified Information Systems Security Professional (CISSP)**  
**The Open Group Architecture Framework Certified (TOGAF)**

**Microsoft Certified Trainer (MCT)**  
**CISCO Network Associate (CNA)**  
**Cisco Certified Network Associate (CCNA)**  
**Certified Cloud Security Professional (CCSP)**  
**Certified Toast Master**

## TECHNICAL SUMMARY

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**Languages & Frameworks:** Java, SpringBoot, Hibernate, Maven, JUnit; JavaScript/Node.js, React, React Native, Vuejs, Expressjs, Jest, Webpack; PHP, Moodle, WordPress; Python, Flask, Django, Pandas; Ruby, Rails, Chef, Puppet; Perl, SQL, HTML, CSS, SASS, LESS, Bootstrap

**Information Security:** Azure and VMware PCI HIPAA, FedRAMP, NIST, SOC1 and SOC 2, ISO 27001. Financial data regulations, Experience with CIS (Centre for Internet Security) Level standards and implementation, Remote Access, Microsoft Defender for Endpoint, Defender for Identity, Defender for O365, Defender for Cloud Apps, Nexpose, Defender for Cloud, Sentinel, Defender for IoT, Encryption, KMS, Secret, IAM RBAC MFA SSO, Open IAM, Ping Okta SOAR, Vulnerability mgmt., Logging, PKI, Penetration Testing, Metasploit, Encryption, Tokenization, RBAC, ABAC, DLP, SCI, Imperva, WAF, IPS, Anti-DDOS, SIEM, Microsoft ADFS, Cisco-DUO, Azure MFA, Tripwire, Fazure single sign on, LDAP, Active Directory, O365, Azure Security, Network Security, Zero Trust, Prisma Cloud Palo Alto

**Web & Database:** IIS, web3, Apache Nginx, Tomcat, Micro Services, Share Point, certificates, MSSQL, ORACE, standalone and cluster, SQL Cluster always on, Oracle ECM, MySQL, NoSQL, PostgreSQL, REST, API, SSL TLS ciphers, RDS, Custom Built online stores, SAAP, Microservices

**Programming:** Code CoPilot, Microsoft .Net, Power Shell, Server Script Languages, SQL Scripting, DOS HTML. Basic C++, Java, React, Python, Ruby, LDAP programming, LDAP, Active Directory, O365, Azure Security, logon scripts, security policies. Windows exchange, internet information server, MS SQL, Oracle, PBX, IBM Open Pages, contact Centers, customer interaction centers, API, Open AI, UX UI design, API, Open AI, testing plans, debugging, Artificial intelligence, Chat GPT, CI CID, Jenkins

**Networking:** DNS, TCP/IP, BGP, SD-WAN, CCIE, SNMP, FTP, SFTP, DHCP, remote desktop, Extreme Networks, Azure Virtual network, V-nets, VNET, VMware vSAN,, VMware NSX-T, Amazon VPC, BGP, Subnetting, Superneting, IoT, AIP UL, DLP, VNET, Subnet, NSG, Hub-Spoke network, WAF IPX/SPX 802, 803, NetBEUI, V WAN's, mail gateways, voice ip gateways, Exchange, Proxy, RAS, Dial up Networking, Virtual Private Networks (VPN), NetApp, Telnet, ATM, Frame, SD WAN, IoT, AKS, Azure Gateway, Spring Gateway, Load Balancer, Kemp Load balancer, Solar winds, MPAN, CISCO IWAN, Meraki, Fortinet, Palo Alto, Versa, Azure ExpressRoute, MQTT, AMQP, HTTPS, WebSocket, Modbus, OAM-DM, UA, Zigbee, BLE, NB-IoT