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**Executive Summary:**

**Executive AI & Cloud Transformation Leader | Strategy & Digital Innovation Advisor | GenAI Strategist | Author & Thought Leader**

Visionary AI and cloud transformation leader with 20+ years of experience architecting and delivering enterprise-scale solutions across regulated industries. Proven expertise in GenAI systems (Glean, RAG, LLMs), AWS-native platforms spanning AI/ML, data engineering, orchestration, and secure infrastructure—designing scalable, intelligent pipelines from experimentation to production. Adept at stakeholder engagement, risk management, and cross-functional alignment to drive innovation at scale. Extensive consulting experience serving as a domain and portfolio architect, trusted advisor, and solution strategist for public sector and enterprise clients. Active thought leader—publishing insights on GenAI strategy, governance, and real-world AI enablement.

**Professional Experience**

**Fannie Mae** Nov2017-Apr2025

**Advisor/TPM,** Multifamily Technology Portfolio

* Delivered portfolio-wide cloud migration, vulnerability remediation, and disaster recovery programs that reduced operational risk by 35% and improved platform resilience across all Multifamily applications.
* Led strategic rollout of AI/ML and GenAI solutions—including underwriting automation and fraud detection—resulting in a 20% increase in team productivity and faster, more accurate decision-making.
* Drove adoption of Shift-Left security practices and integrated CI/CD vulnerability scanning, reducing production issues by 50% and establishing a security-first engineering culture.
* Designed and deployed a GenAI-powered underwriting assistant using AWS SageMaker and Bedrock-hosted LLMs, cutting document review cycles by 40% and increasing output accuracy by 25%.
* Built scalable RAG-based GenAI applications by integrating Pinecone/FAISS vector stores with fine-tuned Hugging Face LLMs, enabling real-time knowledge retrieval and improving user satisfaction scores.
* Enhanced cross-team AI capabilities by delivering workshops and hands-on sessions on LLMOps, prompt engineering, and GenAI architecture, accelerating model deployment timelines.
* Launched a reusable prompt library and established internal best practices for GenAI development, reducing prototype-to-production time by 30%.
* Championed GenAI governance strategy and tooling evaluations, streamlining compliance and adoption across multiple business units.
* Led innovation efforts through internal hackathons and incubation tracks, transforming high-potential ideas into production-ready AI features adopted in the Multifamily product roadmap.
* Published thought leadership content on GenAI adoption and RAG architecture, establishing internal credibility and boosting external engagement across the AI community.

**CSRA** (Client: Veteran Affairs)Jan2017- Oct2017

**Solutions Architect Principal** (Data Center Consolidation)

* Led strategy and execution for the VA’s national data center consolidation initiatives supporting the reduction of 400+ data centers while ensuring continuity, security, and scalability.
* Defined disposition strategies (rehost, refactor, retire) and drove shared services optimization across virtualization, storage, backup, and monitoring systems.

**Beacon Health Options |** Oct2015–Nov2016

**Director of IT Operations** (Data Center Hosting & Infrastructure)

* Oversaw enterprise data center hosting, computer operations, and system administration and middleware across 5 national sites; led consolidation to 2 centers, saving $1.2M annually and improving DR readiness.
* Led a diverse IT team in network turn-ups, new process implementation, and infrastructure design, ensuring high availability, performance, and business continuity for critical enterprise systems.
* Directed vendor management, capacity planning, and risk mitigation, supporting a scalable and resilient IT infrastructure for mission-critical enterprise applications.

**CRGT |** Dec2014–Sep2015

**Lead Solutions Architect / Technical Advisor**

* Directed a team within the Office of Innovation & Technology to craft transformative solutions and roadmaps for $500M+ in federal IT contracts.
* Led architecture and delivery of application and data migration strategies, enabling clients to modernize from waterfall to agile and DevOps-based cloud operations.

**Pragmatics |** Oct2013–Apr2014

**Database Operations Manager –** Strategy & Innovation (Client: FDIC)

* Managed enterprise database operations across 2400+ Oracle, DB2, and SQL Server instances—reducing workload by 50% through automation and process optimization.eveloped and implemented database infrastructure policies, controls, and project governance to enhance platform performance and compliance.

**Wheeler Network Design |** Mar2008–July2013

**Director of Technical Services** (Client: USCIS/DHS)

* Led cross-functional teams delivering IaaS across Windows, VMware, Unix, Citrix, Oracle, and multi-vendor storage platforms—supporting mission-critical DHS operations.
* Led infrastructure optimization at the Department of Homeland Security, consolidating underutilized V890 servers into clustered SPARC T5440 systems with centralized storage. Defined the modernization roadmap, aligned cross-functional teams, and improved scalability, availability, and operational efficiency while mitigating risk.
* Designed and executed enterprise-wide virtualization of RISC and CISC architectures, reducing server footprint by 80% and driving major savings in CapEx, power, and cooling.

**Education/Certifications**

**Master of Science**, Computer Applications, Osmania University, Hyderabad, India

**Bachelor of Science**, Computer Applications, AV College, Hyderabad, India

**Certifications & Training**

* AWS Certified Solutions Architect(Working to reactivate)
* Generative AI for Business Leaders | Google, LinkedIn Learning
* Introduction to Generative AI | Google
* AI for Everyone | DeepLearning.ai
* MLOps: Monitoring Model Drift & Bias | LinkedIn

**Technical Skills**

* **Cloud & Platforms**: AWS (SageMaker, Bedrock, EC2, S3, Lambda, EKS, Step Functions, Glue, Athena, Kinesis, Data Wrangler, Redshift), Azure, GCP
* **GenAI/LLM**: LangChain, Hugging Face, PyTorch, Transformers, Vector DBs (Pinecone, FAISS), Prompt Engineering , AutoGen
* **Languages:** Python, Bash, SQL
* **Partner Enablement & Tools**: Jira, Confluence, GitHub, Streamlit, Partner Certification Frameworks, Readiness Playbooks
* **AI/ML Practices**: MLOps, RAG Architecture, LLM Fine-tuning, Model Deployment, A/B Testing
* **Tools**: GitHub, Jupyter, Streamlit, Terraform, Jenkins, VS Code
* **Project & Program Management**: Agile/Scrum, DevSecOps, MLOps, Jira, Stakeholder Alignment, Technical Escalation Management , Project Management, Risk Management, Change Management, Capacity Planning, Performance Metrics