Dave Breslin
Senior Technology Architect
Technical | Cloud | Solutions | Data | IT Infrastructure | Security
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Professional Summary

Dave is an accomplished and seasoned Senior Enterprise Solutions Architect with more than 20 years of senior IT engineering and leadership experience across diverse industries, including delivering enterprise-scale IT transformations for Federal agencies, State governments, and Fortune 500 companies, impacting operations for millions of end-users. He specializes in driving transformative business outcomes by aligning IT strategies with organizational goals. With a proven track record of leading large-scale digital transformations and implementing innovative technology solutions, Dave is adept at navigating complex IT projects and fostering collaboration across cross-functional teams.

Throughout his career, Dave has excelled in modernizing IT infrastructure, driving cloud adoption and migration, and delivering enterprise-scale architecture solutions, such as leading a multi-agency cloud migration project that consolidated over 200 on-premises systems, resulting in a 30% reduction in operational costs and improved service delivery for millions of customers. His expertise spans hybrid and multi-cloud architectures, IT governance and compliance, cybersecurity, and system and application lifecycle management. His unique ability to align and bridge technical and business perspectives ensures successful collaboration with executives, stakeholders, and technical teams alike, empowering organizations to innovate and adapt in a rapidly evolving technology landscape.

As a strategic advisor to C-level executives, Dave bridges the gap between business and IT, defining and executing IT governance frameworks and strategic roadmaps. He has a passion for enabling operational efficiency and leveraging advanced capabilities such as AI and machine learning to create value and drive innovation. His tenure at Deloitte underscores his ability to design and implement cutting-edge solutions, including leading the deployment of an advanced analytics platform for a Federal agency that enabled real-time data processing, reducing analysis times by 60% and improving data-driven decision making for mission-critical operations. Additionally, his expertise has supported Federal agencies in achieving strategic IT alignment, optimizing resources, and delivering scalable platforms.

Core Competencies

Strategic IT Planning & Transformation	Stakeholder Collaboration & Vendor Management
Cloud Adoption Strategy & Operating Models	Governance, Risk, and Compliance (GRC)
Data Strategy, Architecture, & Management	Leadership, Team Development, & Mentoring
IT Infrastructure Planning, Design, & Optimization	Agile, Hybrid Agile, & SAFe Project Management
IT, System, & Application Lifecycle Management	Cost Optimization & IT Budget Management
Cloud Architecture, Migration, & Modernization	DevSecOps & CI/CD Pipeline Automation

Dave is dedicated to delivering scalable, elastic, and resilient IT solutions that align with organizational goals while ensuring compliance and operational excellence. His ability to balance open-source and cloud-managed services highlights his commitment to delivering tailored, future-proof enterprise solution architectures. By fostering strong collaboration among stakeholders, Dave ensures that IT investments align with business needs, streamline operations, and drive measurable success.

Professional Experience – Deloitte, LLC (01/2020-Present)

Role: Sr. Enterprise Solutions Architect, Deloitte, LLC., (DoD, DoS, NIH/NCI, USDOT, OCC), Arlington, VA
01/2020 – Present

- **Cloud Migrations and Multi-Cloud Architectures**: Designed, directed, and implemented large-scale Enterprise and IT architecture strategies aligned with business goals, leveraging AWS and Azure platforms to deliver scalable, resilient, and secure multi-cloud solutions, reducing operational inefficiencies by 40%.
- **Enterprise IT Strategy and Cloud Governance**: Spearheaded large-scale IT modernization projects, transforming legacy systems into secure, scalable hybrid and multi-cloud architectures.
- **Strategic IT Roadmap Development**: Collaborated with C-suite executives and stakeholders to align IT strategies with business objectives, expediting time-to-market for critical services.
- Championed adoption and enabling agile development with reusable Terraform IaC templates and landing zones, decreasing time-to-deployment by 60% for a Federal client.
- Technical lead and contributor as technical SME on 10+ Business Development initiatives, securing over $350M in contracts by translating technical solutions into business-aligned proposals.
- Delivered $10M in cost savings by automating infrastructure and application deployments, optimizing cloud usage, and improving process efficiency to date across client engagements.

Roles: Systems Engineering Lead (key) & Solutions Architect Lead, 2+ years:
National Institutes of Health (NIH) / National Cancer Institute (NCI) - CBIIT

- **Enterprise IT Strategy & Governance:** Led the successful implementations of an enterprise-wide IT transformation initiatives, integrating new platforms, cloud technologies, and application architectures to support business goals.
- **Strategic IT Roadmap Development**: Developed and supported enterprise IT strategic roadmaps for client and customer IT infrastructure and systems, ensuring alignment with business goals and IT transformation initiatives.
- Collaborated with C-suite executives to ensure IT initiatives were closely aligned with overall business strategy, enabling faster time-to-market for new products and services.
- Translate business needs into application solution architecture requirements, making frequent use of diagrams to help communicate with broad audiences.
- Assume the role of technology advisor that understands customer business processes and maps them to technology solutions to improve business outcomes.
- **Leadership & Collaboration:** Foster collaboration with development, operations, and security teams to ensure a cohesive and integrated approach to cloud solutions. Participate in cross-functional discussions to align technical strategies with business aims.
- Led cross-functional teams in delivering large-scale IT transformation initiatives, improving systems scalability, performance, and security across multiple regions.
- **Enterprise IT Solutions Architecture:** Develop and implement Enterprise IT solutions to include secure software development pipelines, hybrid network architectures, and data analytics solutions ensuring robust Enterprise IT systems that meet the mission and business needs of our customers using a systematic approach.
- Evaluate legacy and current applications, architecture, database design, etc. to make recommendations on improvements on design, performance, and quality.
- Guide the design and development of solutions for complex applications problems, data services, platform services, cloud services and infrastructure services to meet user requirements and align to strategic goals and the Enterprise Architecture.

- Provide expertise and guidance to internal teams on cloud architecture best practices, security considerations, performance, and cost optimization. Serve as a subject matter expert in cloud architecture, infrastructure, and technologies and stay abreast of industry trends.

Technical Environment: Hybrid, Multi-cloud, AWS, GCP, Azure, infrastructure and platform cloud services not limited to: AD/DNS, ICAM, Governance, Policy, Security, Networking, Connectivity, Compute, Containers (+ Orchestration), CI/CD (GitHub, GitHub Actions, Jenkins), Continuous monitoring, security, and improvements (monitoring, logging, security, policy, governance, landing zone design), Shell scripting (Bash, PowerShell, CLI).

Roles: Solutions Architect Lead (key) & Technical/Cloud SME, 16 mos.

DOD, ARMY- Army Materiel Command (AMC)

While serving in this role, Dave led the Technical/SME roles on the successful bid for the $25M AMC RFP by developing the technical architecture, vision, and an enterprise technology roadmap that aligned with long-term business objectives.

- **Cloud Architecture Leadership**: Led the design and deployment of new AWS GovCloud IL5/6 architectures supporting a fully cloud-managed PaaS container services and serverless microservices application platform and infrastructure.
- **Strategic IT Roadmap**: Architected long-term IT infrastructure and systems roadmaps, ensuring alignment with 4-star General's business goals and IT transformation initiatives to support scalable, secure, and high-performance environments.
- Served as a trusted advisor to the client and key stakeholders, providing guidance and expertise in enterprise solutions, cloud architecture, data governance, and enterprise data management.
- Collaborated with senior leadership to drive the successful implementation of the Department's first Knowledge Management (KM) Portal, delivering impactful results aligned with key strategic objectives.
- **Infrastructure Design & Implementation**: Designed and executed enterprise-grade infrastructure solutions, optimizing scalability, reliability, and security for mission-critical systems.
- **Cross-Functional Solution Design:** Led the design and implementation of mission-critical solutions, working closely with engineering, infrastructure, and operations teams to ensure seamless integration and operational efficiency.
- Managed and orchestrated the execution of multiple cross-functional teams (IT, data, security, application engineering, infrastructure) across large-scale, strategic initiatives, ensuring alignment with executive leadership goals.
- Achieved PA approval within 6 weeks and full ATO within 3 months for both IL5 and IL6 environments enabling continuous end-to-end CI/CD pipeline automation for promoting IaC infrastructure, platform, and application from low to high tiers.

Technical Environment: AWS services include, but are not limited to: AWS Fargate, ACS, ACR, SageMaker, Lake Formation, AWS DevOps toolsets, and many more. Solutions designed to be deployed natively on Docker containerized hardened images for portability, reusability, elasticity, cross-platform/cloud deployments, and rapid IaC Il5/Il6 security and compliance services baked-in. Other key services include AWS GovCloud IL5/IL6 CSP, CloudFormation, VPC, ALB, VDSS, VDMS, Docker, AWS Glue, TGW, TGW attachments, CodeBuild, CodeDeploy, CI/CD, DevSecOps, AI/ML, Data Science and Analytics enclave. Self-service ETL, reporting, data science, AI/ML services and solutions. Integration points with AESIP, ICAM, EAMS-A for SSO/MFA, SAML 2.0, Federated Identities and more.

Role: Cloud Solutions Architect Lead (key), 2+ years

Commonwealth of PA (COPA) / USDOT – Autonomous Driving System (ADS)

While serving as a key trusted advisor, Dave provided strategic alignment between business strategies and comprehensive IT, cloud, security, governance, and infrastructure architectures across multiple parallel activities and workstreams within PennDOT Core project teams. This role included:

- Led and architected the deployment of the ADS Data Management System (DMS), encompassing Azure big data and application architectures, platform development, and functionality.
- Technical and project implementation guidance to ADS system architecture project teams, with a focus on enhancing understanding of data security, requirements, and standards in adherence to common data models and industry best practices.
- Strategic advisor across workstreams leveraging over two decades of IT and systems design experience to act as a key trusted advisor across diverse workstreams.
- Delivered the technical design, implementation, and management of the system, culminating in the production environment's successful deployment.
- Ensured alignment with governance, security, and compliance requirements through iterative technical support and documentation delivery.

Technical Environment: Azure Commercial CSP, Azure Security Center, Policy, Defender (multiple solutions), Azure Storage services, Lifecycle Management, IAM, SSO/MFA, RBAC, Data Production, Monitor, Azure Diagnostics, Alerting, SIEMs integration, Log Analytics Workspaces, Enterprise governance and security integrated solutions.

Roles: Data Architect Lead (key) & Cloud/Solutions Architect SME, 6 months
Comptroller of the Currency (OCC)
While serving as the lead solutions architecture subject matter expert in the areas of Enterprise cloud services, big data analytics, data technical, solutions, cloud, infrastructure, and architecture team member helping to enable Deloitte to take to market the latest digital and technologically innovative products and services.

- Determined and developed architectural approaches and solutions, conduct business reviews, document current systems, and develop recommendations of how to continue with the applications.
- Worked with Product Owners and Platform managers to articulate proposed solutions, influence technical roadmap of enterprise platforms, and help business prioritize work.
- Collaborated with IT and Business partners to support the vision and business case of strategic initiatives by creating target state solution and application architectures.
- Managed tactical and strategic architecture roadmaps to solve necessary capabilities and proactively engaged in the execution of the capabilities through collaboration with IT and Business stakeholders to meet business imperatives.
- Identified and recommended process improvements for business and technology cost and performance optimization.
- Analyzed current issues and recommended solutions, creating, and managing a team to develop best practices, and deciding information technology architecture and ensuring it aligns with overall business needs.

Roles: Lead Technical Architect (key) & Lead Solutions Architect (key), 15 mos.
Department of State – Center for Analytics (CfA)
While serving in multiple roles, as the lead Technical and lead Solutions Architect, Dave was responsible for driving business and IT transformation across multiple agencies by delivering advanced, scalable, and secure data and analytics platforms using Azure services. He was also responsible for leading cross-functional teams in executing strategic initiatives focused on cloud and big data architecture, governance, and management, ensuring alignment with organizational goals. Acting as a trusted advisor to senior leadership, including the CDO

and key executives, Dave guided the development and implementation of the Department's first Enterprise Data Strategy framework.

- Spearheaded the design and modernization of a cloud-managed, scalable data and analytics platform using Azure services (Data Factory, Databricks, Spark, Machine Learning, Data Lake, SQL), ensuring enterprise-wide transformation.
- Architected the migration of IT infrastructures and applications to the Microsoft Azure Government platform, enhancing performance, scalability, and security across multiple departments.
- Collaborated with engineering, infrastructure, and development teams to design and implement enterprise IT solutions, significantly improving data management, governance, and operational efficiency.
- Led the enhancement of cloud infrastructure, modernizing data architecture and governance strategies using Azure-native technologies to meet organizational needs.
- Directed the integration of Azure technologies (Data Factory, Databricks, AML, Power BI) to improve data processing, visualization, and decision-making capabilities.
- Managed the successful migration of IT infrastructures from both on-premises and Azure public cloud environments to a robust, secure Microsoft Azure cloud platform.
- Fostered collaboration across cross-functional teams to develop and implement critical IT solutions, enhancing service delivery quality and reducing time-to-market.
- Championed improvements in enterprise data management and governance practices, ensuring compliance, data integrity, and best practices across all cloud-based initiatives.

Technical Environment: Azure Commercial/Government CSP, Enterprise data and cloud architecture maturity, Azure Active Directory, ARM Templates, Azure Policy, Security Center, Blueprints, Azure Identity and Access Management (AIM), Monitor, Log Analytics, ICAM, SSO, API Management services, Logic Apps, Function Apps, Docker containers, Azure Container Registry, Azure Kubernetes Service, Azure Machine Learning (AML), Azure Databricks, Cosmos DB, Azure Data lake, Azure Storage, Azure Search, Cognitive AI services, Azure DevOps, CI/CD, Agile, SCRUM methodologies.

Role: Specialist Leader, Senior Manager (Internal Firm Initiatives), 5+ years
Serving as a cloud solutions architecture subject matter expert in the areas of Enterprise cloud services, big data analytics, data technical, solutions, cloud, infrastructure, and architecture team member helping to enable Deloitte to take to market the latest digital and technologically innovative products and services.

- Determine and develop architectural approaches and solutions, conduct business reviews, document current systems, and develop recommendations of how to proceed with the applications.
- Work with Product Owners and Platform managers to articulate proposed solutions, influence technical roadmap of enterprise platforms, and help business prioritize work.
- Collaborate with IT and Business partners to support the vision and business case of strategic initiatives by creating target state solutions and application architectures.
- Manage tactical and strategic architecture roadmaps to solve necessary capabilities and proactively engage in the execution of the capabilities through collaboration with IT and Business stakeholders to meet business imperatives.
- Analyze current issues and recommending solutions, creating, and managing a team to develop best practices, and determining information technology architecture and ensuring it aligns with overall business needs.
- Build/Create Proof of Concepts to prove technology viability for business needs including AI modeling, testing, training, containerization, packaging, deployment testing, and deployment testing, and deployment AI to Edge device.

Technical Environment: Azure, AAD, IAM, IaC deployments and automation, ARM Templates, Azure Blueprints, Azure Machine Learning (AML), Docker containerization, Container registry, Azure Storage, Azure DevOps, Azure

Pipelines, Repos, Artifacts, Streaming Analytics, Big Data processing, batch and streaming ingestion, data store and warehouse design, data modeling, Databricks, AIOps, MLOps, DataOps, DevSecOps, Azure Cognitive Services with advanced AI (custom vision, text analytics, speech analytics, OCR, NLP, NLG, data classification, data sensitivity), Azure IoT Hub services, VS Code, Azure Container Instances, Web app services, Function apps, Logic apps, IoT Hub services, Docker, Python, Flask, TensorFlow, and Jupyter Notebooks.

Previous Experience

Senior Cloud Solutions Architect, Definitive Logic (DoL), D.C. (2015–2020)
- Cloud Computing Leadership: Spearheaded the implementation and oversight of comprehensive cloud computing strategies, driving multiple IT cloud modernization initiatives, and optimizing hybrid cloud architectures.
- Strategic IT Roadmap Development & Cloud Migration Expertise: Architected and implemented hybrid cloud strategies, ensuring seamless interoperability between on-prem and multi-cloud environments.
- Cross-Functional Solution Design: Collaborated with engineering, infrastructure, development, and operations teams to architect and implement mission-critical solutions, fostering seamless integration and operational efficiency.
- Cloud Migration Expertise: Led the design and execution of cloud migrations from on-premises and AWS cloud environments to the Microsoft Azure Government (MAG) platform, emphasizing scalability, security, and high availability.
- Technical Architecture and Administration: Configured, administered, and supported Microsoft Windows Server technologies, including Active Directory, DNS, IIS, Hyper-V clusters, SQL clusters, and disaster recovery services, ensuring high availability and robust performance.
- Data Center Consolidation: Successfully architected and implemented the consolidation of on-premises production environments into a private cloud, reducing the physical footprint by over 65% and devices to a three-node clustered solution.
- Innovative Cloud Solutions: Designed and deployed mission-critical architecture in support of an encrypted cross-connect VPN tunnel solution for connectivity between AWS and MAG cloud platforms, ensuring uninterrupted, secure communication for critical operations supporting an Agile team of 20+ developers.
- Accelerated Deployment Pipelines: Designed and implemented innovative solution to streamline end-to-end production releases using Git, Azure DevOps, Jenkins, and reusable Infrastructure as Code (IaC) pipelines. Reduced deployment timelines from 2-4 weeks to 2-4 days to successfully promote code daily.

Technical Environment: Azure, AAD, IAM, IaC deployments and automation, ARM Templates, Azure Blueprints, Azure Storage, Azure DevOps, Azure Pipelines, DevOps, VS Code, Azure Container Instances, Web app services, Function apps, Logic apps, Docker, Directory Services, AD, DNS, TCP/IP, IAM, Azure Policy, Blueprints, Monitoring, IaC, Continuous monitoring, continuous ATO/RAF, OS/Application hardening, POA&M, IT governance, risk management, Zero Trust Architecture (ZTA), data center consolidation, cloud migration, physical-to-virtual (P2V) migration, on-premise to cloud migration, Hyper-V, Windows Server, network virtualization, Cisco routers, and KEMP and Azure application load balancers.

Senior Systems Engineer, Management Concepts, McLean, VA (2014–2015)
- Designed, deployed, and migrated all non-production IT infrastructure and systems to VMware vCloud private cloud, which directly led to uncovering critical software upgrade bugs that averted significant operational and financial risks.
- Architected and deployed first successful VMware vCloud Test environment; responsible for successfully migrating all on-prem Test resources to vCloud Air using a lift-and-shift migration strategy.
- Designed and implemented solutions in collaboration with cross-functional engineering, operations, and business teams.

Senior IT Systems Specialist, Consultant, Springfield, VA (2011–2014)
- Delivered modernized system designs, improving scalability, and optimizing performance and costs.
- Designed, engineered, and implemented robust system and network infrastructure solutions, supporting enterprise scalability, reliability, and security.
- Conducted comprehensive system analyses, delivering detailed findings, actionable options, and strategic recommendations to stakeholders for optimal system performance and modernization.

Senior Project Engineer, DoD-OSD, Arlington, VA (2009–2011)
- Requirements Analysis and Stakeholder Collaboration: Partnered with cross-functional teams, including internal and external stakeholders, to define and refine business and technical requirements, ensuring alignment with organizational goals and compliance standards.
- Reputation for Excellence: Consistently recognized by stakeholders and program managers for delivering secure, IA-compliant, production-ready IT systems and infrastructure ahead of schedule, exceeding stringent performance and compliance standards.
- Turnkey System Design: Designed and developed turnkey IT systems and solutions, delivering production go-live IT systems and solutions 3x quicker by establishing trust and rapport amongst several multi-disciplinary, cross-functional teams.
- Cut deployment time-to-value for mission-critical projects by 75%.

Technical Environment: VMWare private cloud, vSphere, virtualization, private cloud, Windows Server OS, OS hardening, Windows IIS, Microsoft SQL Server, IAVA, McAfee HBSS, Gold disk, POA&M, STIG, IA, risk management, SA&A.

Director, IT, Applied Technologies, Chantilly, VA (2008–2009)
- Architected and implemented from bare-metal, the organizations first self-hosted IT operating environment on-prem.
- Successfully migrated and consolidated all existing Production business critical systems and Dev/Test environments to a distributed headquarters/data center topology on-prem.
- Reduced IT costs by 80% within 6 months following IT Strategic Roadmap review and development was approved for implementation to consolidate and optimize all 3rd party IT external hosting services.

Technical Environment: Microsoft AD/DNS, AD Group Policy, Windows Server, SharePoint, Microsoft SQL Server, Microsoft Exchange Server, OS hardening, Networking, ICAM, and Directory Services.

Senior Systems & Senior Network Engineer, CSC, DoS-RPC, Arlington, VA (2004–2008)
- Modernized IT systems, reducing technical debt by 30% and improving deployment efficiency.
- Designed and led organization wide migration of 16 NT4.0/Exchange 5.5 environments to AD/Exchange 2003 including consolidating 16 disparate Windows NT domains into a single AD forest with 4 child domains reducing technical debt by over 75% by reducing significant redundancies in systems and applications no longer needed.
- Designed innovative training and migration simulation solution using real-world environments restored state-side for training the 16 overseas deployment teams with technical and non-technical staff to perform end-to-end Windows NT/Exchange 5.5 migrations to 2003 directly resulted in all 16 site deployments being 100% successful.

Technical Environment: Enterprise Technology modernization and transformation; Windows NT/2003 OS; Microsoft Exchange, IAS, SharePoint, Office Suite, Project, Visio; VMWare, Cisco routers, switches, and firewalls; IPsec/VPN; CONUS/OCONUS operations.

Systems Administrator & Network Administrator, MDT Inc., Fairfax, VA (2002–2004)
- Innovative out-of-the-box method for automating Microsoft Office software deployment led to collapsing the projected timeline from 16 weeks with 4 people down to only requiring 2 people over 2 nights and achieved 100% deployment success rate with no end-user downtime or loss to business productivity.

Full-stack Developer & IT Consultant, NetLink Enterprises, Lorton, VA (2002-2002)
- Developed innovative e-commerce solution for Internet retail site, enabled workflow and process automation and integration between previously siloed order processing, payment, and customer relationship management system that led to a 60% decrease in daily operational tasks.
- Eliminated 4hrs/day of repetitive, manual business operations tasks which resulted in customer service and order processing wait-times to drop on average by 90%.

Technical Skills:

Azure, AWS, VMWare, Azure Migrate, Azure Database Migration Service (DMS), Database Migration Assistance (DMA), Azure SQL, SQL Server, SSMS, SSDT, SSIS, SSRS, SSAS, Azure Integration Runtime (IR), PowerBI, Tableau Server/Desktop, Azure Data Factory, Alteryx, Databricks, Spark, Data Lake stores, Azure Machine Learning (AML), IoT Hub services, Container Registries, Docker containerization, IoT devices and services, CSPs: Microsoft Azure, Azure Government, Amazon Web Services (AWS) and VMware vCloud Air; Azure: most SaaS/PaaS/IaaS cloud services, networking, storage, web, database, identity, management and security resources. Services including but not limited to: Azure AD, ARM (and Templates), Automation, Pipelines, Policy, Migrate (SQL + VMs), Data Factory, Databricks, Spark, storage (blob, file, queue, and table), Data Lake gen2, Azure Machine Learning (AML), DevOps, Container Registry (ACR), Kubernetes, (AKS), Azure and Jupyter Notebooks, API Management, Azure PaaS/IaaS SQL Server and SQL databases, Application Gateways; AWS - EC2, S3, S3 Glacier, Storage Gateway, VPC, IGW, ACLs, Security Groups, Elastic IPs, VPN, NAT; Hypervisors - VMware, Hyper-V, VirtualBox, VCHS; Microsoft-Windows Server, SQL server, SSIS, SSRS, SSAS, Active Directory (AD), DNS, Exchange server, TFS, VSTS, O365, SharePoint, Systems Center (CM, OM).

Education

M.S. in Technology Management, George Mason University, Fairfax, VA (2018)
B.S. in Management Information Systems, George Mason University, Fairfax, VA (2002)

Achievements & Certifications

Chief Information Officer (CIO) Graduate Certificate, George Mason University, Fairfax, VA (2018)
Clearance: Active Top Secret
AWS Certified: Solutions Architect Professional (SAP)
Microsoft Certified Solutions Expert: Cloud Platform and Infrastructure (MCSE)
Microsoft Certified Solutions Associate: Cloud Platform (MCSA)
Microsoft Certified: Azure Administrator Associate
Microsoft Certified Professional: Microsoft Certified Professional (MCP)
Professional Scrum Master I (PSM I)