



DANIEL D.M.

KUBESTRONAUT | CLOUD ARCHITECT



CONTACT

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PERSONAL PROFILE

Certified Senior Cloud Architect with over 10 years of experience designing, deploying, and optimizing cloud-first solutions on Microsoft Azure and Kubernetes. Expertise spans infrastructure automation, high-availability architectures, and cost-efficient cloud strategies, driving operational excellence for global enterprises. Proven leader in mentoring teams, implementing ISO 27001-compliant solutions, and reducing incident response times through advanced monitoring. Adept at aligning technical innovation with business goals, delivering scalable systems, and managing budgets and vendor relationships.

CERTIFICATES

- Kubestronaut
- CKA, CKS, CKAD, KCNA & KCSA
- HashiCorp Terraform Associate
- Azure Solution Architect
- Azure DevOps Expert
- Azure Administrator
- Azure Database Administrator
- Azure Developer Associate
- Microsoft Solution Expert – Data management and analytics
- Microsoft Certified Solution Administrator

KEY ACHIEVEMENTS

- Global Automation: Developed an automated installation solution for 3,000+ vessels using MSI, PowerShell, Batch, Bash, and C# scripting, enabling rapid environment setup in under 30 minutes.
- Resilience Leadership: Architected DR/HA solutions and led outage responses, ensuring 99.99% uptime for critical systems.
- Cost Efficiency: Reduced Azure costs by 60% and managed budgets/vendors to optimize cloud investments.
- Monitoring Innovation: Built monitoring solutions with Grafana, cutting incident response time by 40%.
- Team Development: Mentored 20+ engineers in cloud-native and DevOps practices, driving technical excellence.
- Microservices Expertise: Integrated API management and microservices into cloud transitions, enhancing flexibility and performance.
- Scalability Impact: Grew client base from 1 to 90+ and workforce from 50 to 1,500 with robust cloud strategies.
- Certification-Driven Excellence: Leveraged Azure and Kubernetes certifications to architect secure, scalable solutions, winning trust from 90+ clients and enabling rapid adoption of cloud-native technologies.
- Update & Backup Innovation: Developed and enhanced update and backup software that is deployed across 90+ clients and 3,000+ vessels, ensuring seamless data integrity and system reliability.

WORK EXPERIENCE

SENIOR CLOUD ARCHITECT

Seaker Systems Private Limited | Sept 2025 – Present

- Trained YOLO model to accurately read temperature panel digits from vessels for IoT applications.
- Implemented DevOps best practices and branching strategies to streamline development processes.
- Developed and maintained Bitbucket pipelines to fully automate CI/CD workflows for applications.
- Deployed secure Azure environments tailored for containerized applications, ensuring compliance and scalability.

SENIOR CLOUD ARCHITECT

MariApps Marine Solutions | April 2024 – Aug 2025

- Architected private cloud environments with disaster recovery (DR) and high-availability (HA) solutions, achieving 99.99% uptime for critical ERP systems across 3,000+ vessels.
- Automated infrastructure provisioning using Terraform, thereby deploying environments for 90+ clients and reducing setup time by 50%.

TECHNICAL SKILLS

- Cloud Platforms: Microsoft Azure, AKS
- Infrastructure as Code (IAC): Terraform
- Containerization: Kubernetes, Docker, Helm, ArgoCD, Docker Compose
- DevOps Tools: Azure DevOps, Jenkins, Git, GitHub Actions, Bitbucket
- Monitoring: Prometheus, Grafana, Log Analytics, ELK Stack, Azure Monitor
- Programming: C#, Python, PowerShell, Bash, TSQL, Go, NodeJS
- Databases: SQL Server 2012–2022, Redis
- Messaging: Kafka, RabbitMQ
- Security: Vault, Consul, ISO 27001 Compliance
- Serverless: Azure Functions, Azure Logic Apps
- Networking: VNet, Load Balancers, Hub–Spoke Architecture, Azure firewall, Azure front door

LANGUAGES

- English
- Malayalam
- Tamil
- Hindi

- Designed and implemented Kubernetes (K8s) with Helm and ArgoCD for the latest software version, enhancing scalability and deployment efficiency.
- Collaborated with DevOps teams to research and deploy ELK Stack, Kafka, Redis, RabbitMQ, Vault, and Consul on VMs and Azure Kubernetes Service (AKS), thereby boosting system performance and security.
- Developed serverless solutions using Azure Functions and Logic Apps, optimizing workflows and reducing operational costs by 30%.
- Led optimization initiatives, slashing Azure monthly billing by 60% through strategic resource management and vendor negotiations.
- Mentored 20+ engineers in adopting cloud-native practices, fostering a high-performing DevOps culture.

CLOUD ARCHITECT

MariApps Marine Solutions | April 2022 – April 2024

- Designed hub–spoke cloud architectures and enterprise landing zones targeting ISO 27001 compliance, ensuring secure and cost-effective operations.
- Developed a one-click automated deployment tool with Terraform, enabling rapid environment setup for 3,000+ vessels worldwide.
- Implemented Azure Managed Prometheus and Grafana monitoring, reducing incident response time by 40% with proactive alerts and dashboards.
- Spearheaded migrations from on-premises to Azure, integrating microservices and API management for elastic infrastructure.
- Built an in-house Zoho ticketing dashboard using Grafana and webhooks, improving team resource visibility and operational efficiency.

SOLUTIONS ARCHITECT

MariApps Marine Solutions | April 2020 – May 2022

- Developed low-latency automated solutions for build deployment and release management, cutting delivery times by 35%.
- Launched complex recovery solutions for mission-critical data, ensuring business continuity during outages.
- Supported organizational growth from 1 to 90+ clients and workforce expansion from 50 to 1,500 employees through scalable cloud designs.
- Designed, developed, and managed web-based applications, databases, and network accounts, resolving performance issues and training end users.

DATABASE ADMINISTRATOR

MariApps Marine Solutions | November 2014 – April 2020

- Planned and executed SQL Server upgrades (2012 to 2016, 2016 to 2019), implementing HA solutions like Always On Availability Groups (AAG) across Azure datacenters.
- Designed and managed large-scale data warehouses, optimizing T-SQL development (triggers, stored procedures, CTEs) and maintenance plans.
- Led data migrations and capacity planning, selecting cost-effective licensing strategies for SQL Server deployments.
- Implemented SSRS farm with load balancing and managed TFS databases in a secure SaaS environment.

EDUCATION HISTORY

BHARATHIAR UNIVERSITY

Master of Business Administration – MBA, Information Technology, 2016 – 2021

JAI BHARATH COLLEGE

Bachelor of Computer Application – BCA, 2011 – 2014

GOVT BOYS HIGHER SECONDARY SCHOOL

Plus two, 2008 – 2010