Zakariah Salhab

Riyadh, Saudi Arabia zsalhab87@outlook.com +966558987291 in/zakariah-salhab zakariah.site

SUMMARY

Senior Cloud Engineer with 13 years across cloud, Kubernetes, and enterprise Microsoft stacks. Led Azure to Deem Cloud migrations with Rancher/RKE2, automated CI/CD with Azure DevOps, and hardened production workloads. Recent work cut monthly cloud spend ~28% and improved service reliability across multi-cloud environments. Interested in roles where I can ship automation, and measurable cost/perf wins.

EXPERIENCE

Senior Cloud Engineer | General Authority of Media Regulations (GMedia)

December 2024 - Present, Riyadh, Saudi Arabia

- Delivered Kubernetes migration from Azure AKS to Deem Cloud using Rancher RKE2, coordinating end-to-end cluster transitions ensuring minimal downtime during migration.
- Deployed and configured Zabbix for comprehensive infrastructure monitoring by setting up tailored dashboards, integrating key alerts, and customizing metrics collection to support health checks across multi-cloud environments.
- Deployed automated backup systems and configured failover frameworks using Azure and Deem Cloud services to ensure ongoing data protection and minimal downtime.
- UtilizingInfrastructure as Code and cloud-native disaster recovery tools to standardize recovery point objectives and streamline business continuity processes in multi-cloud environments.
- Planned and executed staged rollouts for critical cloud-based services in alignment with organizational change management protocols, ensuring minimal downtime and service disruption.
- Coordinated production deployments during scheduled maintenance windows by using scripts and container orchestration tools such as Kubernetes and Azure DevOps.
- Engineered and supported end-to-end cloud security enhancements for 300+ production workloads within Deem Cloud, Azure Cloud, and Site Cloud by deploying automated DevOps Pipelines and configuring Infrastructure as a Code, driving a 75% increase in uptime over 12 months.
- Implemented infrastructure cost optimization strategies across multi-cloud environments, leveraging usage analytics and automated resource scaling to reduce monthly cloud expenditure by 28% over a 12-month period while maintaining compliance with security and best practices.

Senior Middleware Administrator | Tatweer Educational Technology (TETCO) - Ministry of Education

October 2019 - November 2024, Riyadh, Saudi Arabia

- Engineered resilient middleware clusters by configuring advanced load balancing and redundant failover mechanisms, elevating service uptime and supporting uninterrupted access for mission-critical educational technology solutions.
- Instituted configuration standardization across 1200+ middleware servers, cutting deployment errors by 85% and ensuring compliance with Ministry of Education IT security regulations .
- Carried out installation, configuration, troubleshooting, and performance tuning of production applications by adhering to predefined deployment scripts and industry-recommended tuning parameters, maintaining application stability within enterprise education platforms using IIS, Nginx, Apache, and Linux environments.
- Configured, upgraded, and maintained MinIO S3 Object Storage systems by utilizing automated deployment tools and established migration procedures to ensure seamless storage scalability and robust data availability.
- Configured and maintained RabbitMQ clusters by applying tailored deployment scripts and implemented redundancy mechanisms to support continuous message delivery in high-demand environments.
- Configured and maintained Redis Server environments by implementing standardized deployment scripts and performing regular upgrades to enhance performance and stability.
- Conducted vulnerability assessments and coordinated closure activities on both Windows and Linux environments using centralized management platforms and standardized processes.
- Implemented automated monitoring solutions for over 1,200 middleware servers using AppDynamics and custom scripts, achieving a 90% decrease in critical incident response time and enhancing service reliability for nationwide digital education platforms.
- Consolidated log management by deploying and configuring Seq Serilog across production servers, accelerating root cause analysis and reducing system downtime by 60% for critical Ministry of Education platforms.
- Integrated automated backup and disaster recovery workflows for middleware platforms serving over 5 million users, leveraging PowerShell scripting to achieve a 98% reduction in data restoration time and bolster continuity for statewide education services.

Senior System Administrator | Integrated Technology Group (ITG)

March 2015 - July 2019, Amman, Jordan

- Completed deployment, configuration, and troubleshooting of Microsoft Windows Server environments, utilizing Windows Server management tools and Active Directory for efficient system operation and stability for 500+ Users.
- Implemented Exchange Server deployment and configuration for ~700 users, automating tasks with PowerShell to cut provisioning time ≈40% and sustain 99.95% service availability.
- Configured and migrated Symantec Endpoint Protection Manager, Mail Security for Microsoft Exchange, and Messaging Gateway by following vendor guidelines and aligning system dependencies within enterprise environments.
- Led deployment and maintenance cycles for Citrix XenDesktop.
- Administered deployment and maintenance of Dell servers and storage systems by executing standardized procedures, addressing hardware issues, and supporting infrastructure growth.
- Deployed more than 15 company websites by configuring web server environments and utilizing DNS management tools to ensure successful publication and continuous accessibility.
- Configured and maintained FortiGate firewalls for 3 sites by defining custom rule sets, fine-tuning web filtering policies, and deploying IP VPNs to safeguard network traffic and restrict unauthorized access.
- Consolidated legacy infrastructure by migrating over 150 virtual machines to Hyper-V within a six-month period, decreasing hardware costs by 30% and reducing system downtime incidents by 40% using Microsoft Failover Cluster.

Systems Engineer | Awael Business Group (ITX)

March 2014 - March 2015, Amman, Jordan

- Managed installation, configuration, and troubleshooting for Dell servers, storage systems, switches, desktops, and laptops using OEM tools and validated hardware diagnostics.
- Oversaw Dell Service Center operations by using OEM diagnostic and management tools to address hardware repairs and schedule maintenance for server, storage, and desktop environments processing **~100 tickets/month** with **≥99%** SLA adherence.
- Installed, configured, and migrated Microsoft infrastructure components, using Active Directory, DHCP, DNS, Hyper-V, Exchange, and SQL Server to enable stable enterprise environments serving **~700 users** across 30 **sites**.
- Installed, configured, and migrated various Symantec products such as Backup Exec, Net Backup, Endpoint Protection, Mail Security, and Messaging Gateway by utilizing vendor guidelines and system documentation.
- Deployed and configured Office 365 solutions by utilizing Exchange Online migration tools and Azure Active Directory Integration to ensure seamless transition of mail and collaboration services.

Technical Support Engineer | Jaafar Altayyar Tours

June 2011 - June 2013, Alkarak, Jordan

- Resolved technical issues with Windows, Office, and ticketing systems for over 40 end users, utilizing remote desktop tools and systematic diagnostics to achieve a 95% first-contact resolution rate over a 12-month period.
- Diagnosed and resolved daily software issues by leveraging remote desktop tools and robust troubleshooting protocols to restore application functionality.
- Upgraded office computing environment for 40+ end users by deploying Windows OS updates and automating patch management processes, reducing security incidents by 35% over a 12-month period.

EDUCATION

Computer Engineering | Mu'tah University

Alkarak, Jordan

CERTIFICATIONS

Microsoft Certified: Azure Fundamentals | Microsoft

2022

AppDynamics Verified Core APM | Cisco

2021

AppDynamics Certified Associate Performance Analyst | Cisco

2021

SKILLS

Languages: Arabic (Native); English (Professional Working Proficiency).

Cloud & Kubernetes: Azure, Hybrid/Multi-Cloud (Deem Cloud, SiteCloud), AKS, Rancher (RKE2/K3s), Docker, containerd, Helm, Nginx Ingress, MetalLB, Lens.

DevOps & IaC: Azure DevOps (Pipelines/Releases), CI/CD, Git/Azure Repos, YAML, IaC, Automation, PowerShell, Bash.

Apps & Middleware: Architecture, Deployment, Migrations, Troubleshooting, Performance Tuning, Security Hardening, IIS, Nginx, Apache, Tomcat, Microservices.

Messaging/Cache/Logging: RabbitMQ, Redis, Seq Serilog.

Observability: Zabbix, AppDynamics, Prometheus, Grafana, Uptime Kuma.

Databases: SQL Server, MySQL/MariaDB, PostgreSQL, Oracle.

Backup & DR: Veeam Backup & Replication, Veritas Backup Exec, Veritas NetBackup, DR planning/testing, RPO/RTO.

Virtualization: VMware vSphere/ESXi & vCenter, Hyper-V, Nutanix.

Microsoft Ecosystem: Windows Server, AD / Entra ID (Azure AD), DNS, DHCP, GPO, Failover Clustering, WSUS, Exchange, SharePoint, Microsoft 365 (O365) Hybrid.

Security & Networking: FortiGate, FortiWeb (WAF), FortiAnalyzer, F5, load balancing, hardening & vulnerability remediation.

Endpoint & Email Security: Symantec Endpoint Protection, Symantec Mail Security for Exchange, Symantec Messaging Gateway.

Hardware: Dell PowerEdge servers & SAN storages.

Cost & Reliability: Cost optimization, capacity planning, high availability.