Mohammed Abdullah

DevOps Engineer

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Summary

Highly motivated DevOps professional with over 15 years of experience in multi-platform and systems. Possessing strong knowledge and professional certifications in a wide range of technologies, I am results-driven and quick to learn. My expertise in DevOps tools and methodologies, coupled with my excellent problem-solving skills and strong work ethics, make me an asset to any team.

Skills

- Problem Solving
- Adaptability
- Collaboration
- Management
- Customer Service
- Creativity
- Work Ethics

Education

B.Sc. IT (HONOURS) - 2007
Sudan University of Science & Technology

Professional Experience

Oracle | Dubai, UAE
Operation Engineer | Jan 2023 - Present

- Automated and streamlined software deployment pipelines using Oracle Cloud DevOps services, in addition to other **CI/CD** tools such as Jenkins, and Github actions to reduce deployment time and increase efficiency
- Managed multiple Kubernetes clusters (vanilla, **OKE**, **GKE**, and **EKS**) as a container infrastructure and scalability-focused application deployment platform, managed resources and enhanced monitoring applications and setting up alerts, troubleshooted issues, and provided documentation within the Kubernetes environment
- **Secured Kubernetes** clusters in different levels, including cluster setup, cluster hardening, system hardening, minimizing microservice vulnerabilities, securing the supply chain, monitoring, logging, and runtime security, to creating automation for deployment and configuration using IaC tools and ensured compliance with internal security policies
- Monitored system **performance** using tools such as Prometheus and Grafana, identified and addressed performance issues to maintain optimal system operation
- Fostered **collaboration** within the team, facilitated effective communication, and promoted the culture of continuous improvement. Increased team productivity by 12%
- Implemented security best practices and integrated security measures into the CI/CD pipeline. Utilized tools such as Oracle key vault and AWS KMS to protect applications and infrastructure from potential threats. Reduced security incidents by 20%
- Optimized system **performance and reliability**: Identified and resolved performance bottlenecks to ensure optimal system performance and reliability.

Cerner | Dubai, UAE
HIS Analyst | Sep 2016 – Dec 2022

- Led the implementation and support of Cerner Millennium solutions for hospitals and PHCs
- Collaborated with cross-functional teams to ensure seamless **integration** of Oracle systems with existing infrastructure
- Conducted training sessions for end-users and support staff, improving overall system adoption and utilization
- **Troubleshot** complex technical issues, maintaining high levels of customer satisfaction
- Identified and recommended process improvements, resulting in a 22% increase in efficiency
- Carried out go-lives activities within hospitals and clinics with the appropriate participation, handholding, and change management procedures

Injazat Data System | Abu Dhabi, UAE
IT Engineer | Aug 2012 – Sep 2016

- Assured 100% **SLA** compliance by delivering quality response service daily with the assistance of other functions and external suppliers
- Provided the network infrastructure support, which included servers, switches, routers, firewalls, Cisco Call manager, IP Phones, load balancers, Faxes, and UPSs
- Conducted regular system **audits** to ensure optimal performance and security
- Reduced downtime by troubleshot and resolved complex network and system issues
- Accomplished 100% **compliance** with internal security policies, ensuring network security through regular vulnerability assessments and implementation of security policies
- Improved system **performance** by 10% by performing routine system maintenance and upgrades to ensure high performance and reliability

Sudanese Network Company (SUN) | Khartoum, Sudan
System Engineer | Aug 2011 – Aug 2012

- Designed, configured, and maintained servers, storage systems, ensuring **HA** and **security**
- Conducted system upgrades, **data migration**, and system performance optimization
- Achieved 100% **client satisfaction** by Collaborating with the clients to assess their needs and requirements, then developed solutions that exceeded client's expectations
- Documented system configurations, procedures, and policies to ensure applications continuity
- Reduced operational costs by 10% by working closely with vendors and service providers to manage and maintain software and hardware licensing, contracts, and service agreements
- Developed and maintained backup and disaster recovery procedures
- Administered system and network audits to ensure compliance with client's policies and standards
- Improved the company's IT infrastructure and processes, using emerging technologies and industry trends

Sudanese Network Company (SUN) | Khartoum, Sudan
Network Engineer | Aug 2011 – Aug 2012

- Developed and managed client's networks infrastructure, including routers, switches, firewalls, load balancers, IPS/IDS, servers, and storage
- Delivered 100% **client satisfaction** by helping the clients to determine business, functional and technical requirements for applications deployment
- Investigated and troubleshoot network failures. Resolved network issues within SLA
- Improved performance by plan, develop, test, and deliver system enhancements and upgrades
- Implemented and enforced policies and procedures related to network
- Administered RedHat and Microsoft Windows Servers

Technical Skills

- **ITSM:** HP service manager, BMC Remedy
- Oracle Millennium apps
- Microsoft Office suite
- **Containerization:** Docker, Kubernetes, Podman, CriCtl
- **CI/CD tools:** Oracle DevOps services, Git, Jenkins, Github Actions, Terraform, Ansible, Prometheus, Grafana, and ArgoCD
- **Cloud:** Oracle OCI, AWS, GCP, Azure
- **Languages:** Bash, Python, GO, YAML, JSON
- **Networking:** Management of routers, switches, and Firewalls (Cisco, Junier,Palo Alto)
- **Virtualization:** Management of VMWare vSphere, MS Hyper-v
- **Servers:** Administration of Microsoft windows servers (2008/2012), Linux (Ubuntu, RHEL, CentOS)

Professional certifications

DevOps	**Kubernetes**	Certified Kubernetes Security Specialist (**CKS**)
	Oracle DevOps	OCI 2023 DevOps Professional
	ArgoCD	GitOps Certified for Argo
	Prometheus	Prometheus Certified Associate (**PCA)**
	Kubernetes	Certified Kubernetes Administrator (**CKA**)
Cloud	**AWS**	AWS Certified Cloud Practitioner
	Azure	Azure Fundamentals
	Oracle	OCI 2021 Certified Architect **Professional**
		OCI 2021 Certified Cloud **Operation Associate**
		OCI 2021 Certified **Architect Associate**
		OCI Foundations 2021 Certified Associate
Virtualization	**VMware**	VCP6-DCV
System	**Microsoft**	MCSA 2012-R2
		MCSA 2008
	ITIL	ITILv3
Network	**Palo Alto**	ACE PAN-OS 8.0
	Juniper	JNCIA 102
	Cisco	CCNA (Security)
		CCNP (Route, Switch, Troubleshooting).
		CCNA (R&S).

TIME