

Khaled Alkurdi

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Professional Summary

Cloud and DevOps Engineer with 5+ years of experience designing, automating, and operating secure, scalable, and highly available cloud platforms across AWS environments. AWS Certified Solutions Architect – Professional and Security – Specialty certified, with expertise in cloud architecture, Infrastructure as Code, Kubernetes, DevOps automation, observability, and cloud security. Proven experience delivering enterprise cloud solutions, CI/CD pipelines, monitoring platforms, and operational excellence in managed service and production environments.

Technical Skills

Cloud & AWS: AWS architecture design, IAM, VPC, EC2, S3, RDS, DRS, MGN, CloudWatch, Systems Manager, Lambda, Route53, cost optimization, security & compliance

Containers & Orchestration: Kubernetes (CKA, CKAD, KCNA), Docker, Docker Compose

Automation, CI/CD & IaC: Terraform, Ansible, Bash scripting, GitLab CI/CD, Git

Monitoring & Operations: New Relic, Datadog, Zabbix, PRTG, Jira ITSM, incident response, runbook/SOP creation, backup & DR

Systems & Networking: Linux, Windows Server, Cisco, MikroTik, HAProxy, DNS/VPN/Mail administration

Databases & Virtualization: MySQL, Oracle, MongoDB, VMware ESXi/VCSA, Virtuozzo

Certifications

AWS Certified Solutions Architect – Professional | 19/10/2025

AWS Certified Security – Specialty | 25/10/2025

AWS Certified Data Engineer – Associate | 02/11/2025

AWS Certified Developer – Associate | 20/11/2023

AWS Certified SysOps Administrator – Associate | 17/12/2022

AWS Certified Solutions Architect – Associate | 09/10/2022

AWS Certified AI Practitioner | 24/05/2026

AWS Certified Cloud Practitioner | 20/07/2022

CKA: Certified Kubernetes Administrator | 09/03/2024

CKAD: Certified Kubernetes Application Developer | 16/03/2024

KCNA: Kubernetes and Cloud Native Associate | 06/12/2023

Work Experience

Bespin Global MEA, an e& enterprise company – Abu Dhabi, United Arab Emirates

Department: Cloud Operations Center COC | Website: <https://www.bespinglobal.ae>

MS Engineer – 12/2023 – Current

- Design and implement scalable, secure, and highly available AWS cloud architectures using Terraform, with security and compliance best practices built in.
- Develop automation solutions and CI/CD pipelines to reduce manual operations and improve deployment consistency.
- Implement observability and monitoring solutions using New Relic and Datadog while driving cloud cost optimization initiatives.
- Execute backup validation, replication, and disaster recovery exercises to ensure business continuity requirements.
- Create run-books, SOPs, and documentation for incident response, handover, and knowledge transfer.
- Provide timely issue resolution while collaborating cross-functionally to align cloud solutions with business goals.

MS Associate – 06/2022 – 12/2023

- Monitored client servers and application performance, diagnosed and resolved technical alerts within SLA-agreed timeframes.
- Triage, tracked, and escalated issues via Jira ITSM; researched solutions and maintained accurate documentation/knowledge base.
- Delivered monthly service reports and proactive client follow-up to confirm systems fully functional post-resolution.

Tatweer LLC – Damascus, Syria

Department: DevOps and System Administration | Website: <https://tatweer.sy>

System Administrator – 02/2021 – 12/2021

- Built and maintained automated CI/CD pipelines for Linux/Windows deployments using Git, Docker, and GitLab CI/CD.
- Automated infrastructure provisioning and application deployment with Ansible and Bash scripting.
- Administered Linux/Windows servers, MySQL/Oracle/MongoDB databases, and ESXi/VCSA virtualization.
- Monitored server health with Zabbix and implemented HAProxy load balancing for customer-facing web applications.

SCS (Syrian Computer Society) – Damascus, Syria

Department: System Operation | Website: <http://www.scs-net.org>

System Administrator – 03/2019 – 02/2020

- Administered Linux mail/DNS/web servers and ESXi/Virtuozzo virtualization environments.
- Monitored infrastructure with PRTG; managed shared/dedicated hosting services and Plesk control panel.
- Published high-traffic public exam-results sites under peak load conditions.

Bitakat ISP – Damascus, Syria

Department: Network Operations Center NOC | Website: <https://www.bitakat.sy>

System and Network Administrator – 06/2018 – 03/2022

- Administered ISP network infrastructure (routers, switches, firewalls – MikroTik, Cisco) and ADSL services.
- Deployed and managed ISP services (Mail, DNS, VPN, Web) and the ISP's MySQL database.
- Monitored network availability, utilization, and performance using PRTG.

Personal Projects

Portus – Open-Source AWS Access Tool | <https://github.com/khaledk95/portus>

- Designed and developed an open-source cross-platform Electron application that simplifies secure AWS EC2 access through Systems Manager (SSM), enabling one-click shell and RDP-over-SSM connectivity.
- Implemented Azure AD SSO authentication, multi-account AWS profile handling, and automated RDP port-forwarding tunnels; published open-source under MIT.

Hermes – Run Your AWS Account from a Telegram Chat

- Built a serverless Telegram bot (Lambda Function URL, no API Gateway) running an agentic tool-use loop with Claude Haiku to interpret natural-language AWS requests and execute the corresponding boto3 calls in real time.
- Built in safety guardrails (explicit confirmation for destructive actions, chat-ID and secret-token lock) and DynamoDB-backed conversation memory; runs entirely on free tier (~\$0.20/month).

AWS Patching Automation – Scheduled, Compliant Patching (IaC) | <https://github.com/khaledk95/aws>

- Designed a fully infrastructure-as-code solution (single CloudFormation template) using Step Functions to coordinate Lambda and SSM for Scan/Install patch operations across PatchGroup-tagged fleets.
- Implemented per-patch-group EventBridge Scheduler rollouts, least-privilege IAM roles, and SNS alerts with S3-based compliance reporting for a clean audit trail.

ModelDrift – Automated AI/Cloud/DevOps Storytelling Pipeline | <https://youtube.com/@ModelDrift>

- Built a fully self-hosted content pipeline (n8n running natively on a single EC2 instance, no containers or GPU) that researches topics, generates scripts, narration, and visuals, and assembles video with ffmpeg to make AI, cloud, and DevOps concepts accessible through storytelling.
- Automated end-to-end publishing to YouTube, using PostgreSQL for pipeline state, S3 for asset/video storage, and CloudWatch for end-to-end monitoring.

Education and training

Information technology engineering

University of Damascus – 09/2013 – 10/2019

Damascus, Syria | Website: <http://www.damascusuniversity.edu.sy> | Field of study: Computer Systems and Networks

Language skills

Mother tongue: Arabic

Other languages: English (B2), German (A1)

Honors and awards

Customer Impact Award

Bespinn Global MEA, an e& enterprise company | 07/2025