

Abdulmuhsen Alayouni

Enterprise Architect · Observability & Security Systems

I design observability and security systems for national-scale environments, and I build the tools that make them work. Seven years across government, finance, healthcare, and telecom.

LOC Riyadh, KSA AT Riverbed Technology SINCE Jul 2025 → now LANG Arabic · English

★ **Named "The Innovator. The Problem Solver."**

By the Riverbed PS team, for pushing customization and proprietary solutions beyond the platform's stock capabilities.

The path.

Enterprise Architect

Jul 2025 → Present

Riverbed Technology · Riyadh

- › Architect observability solutions for national-scale customers across KSA.
- › Lead custom ingestion, alerting, and topology design where the platform stops short.
- › Set technical direction for PS delivery patterns regionally.

Senior Performance Consultant

Jan 2025 → Sep 2025

Riverbed Technology · Riyadh

- › Full-stack Riverbed rollouts: Saudi Post, MCIT, RCU, Tanmiah, MIM, RGA.
- › Built API metric ingestion pipelines to bring non-native data into Riverbed.
- › Established regional best practices: onboarding, polling, auto-grouping.

Performance Consultant

Feb 2023 → Jan 2025

Riverbed Technology · Riyadh

- › Delivered NetIM, NetProfiler, AppResponse, Portal, APM, Packet Analyzer.
- › Designed dashboards, service maps, and alert workflows for hybrid infra.
- › Led stakeholder workshops and post-deployment optimization.

Senior Security Operations Officer

Nov 2021 → Feb 2023

NUPCO · Riyadh

- › Hybrid SecOps across Palo Alto, Cortex XDR, Tenable, LinkShadow, ManageEngine.
- › Threat detection, segmentation, endpoint protection, vulnerability management.
- › Compliance reporting and remediation alongside SOC and stakeholders.

Cybersecurity Engineer / Analyst

Aug 2019 → Nov 2021

SITE · Saudi Information Technology (PIF) · Riyadh

- › Lifecycle security reviews for: Royal Court, Ministry of Defense, Saudi Customs, MOH, MOJ, NCA, MIFON, GASTAT.
- › Architecture reviews, audits, risk-ranked remediation aligned to NCA / NIST.
- › Manual and automated assessments using Nessus, Nipper, Skybox, AlgoSec.

Systems Engineer

Aug 2018 → Aug 2019

BARQ Systems · Riyadh

- › Palo Alto deployments across Azure, OpenStack, and hybrid environments.
- › AppDynamics APM rollouts. ClearPass NAC and Aruba wireless across enterprise.
- › Projects: Bank AlBilad, SEU, Mashroat, ACIG, TCC, SCFHS.

Tools I wrote because the platform stopped short.

Some of the work is under wraps. Details stay redacted. The shape is real.

/ INTEGRATION

API to metrics engine

Pulls structured data from any JSON API and turns it into MIB / MTR artifacts an enterprise observability stack can ingest. Profile based, multiple auth methods, remote-storage shipping.

Python · PyQt · SNMP · SFTP

/ OBSERVABILITY

Public-cloud monitor

Single Windows binary that polls a major public cloud's service catalog, runs its own dashboard, exposes a REST API, and speaks SNMP on a hand-written MIB so an on-prem stack can import it natively.

Python · FastAPI · SNMPv2c · Custom MIB

/ OPERATIONS

Bulk command push platform

Web app to change thousands of network devices in one run. Per-device variables, multi-vendor SSH, pre-change backup with diff, rollback, RBAC, audit, scheduling.

Python · FastAPI · Docker · OpenAPI

/ OBSERVABILITY

Distributed Windows monitor

Lightweight agents on every server feeding a central control plane. System metrics, services, processes, .NET / Java app instrumentation, alert routing.

Python · REST · Windows · .NET / Java

/ OPERATIONS

Connectivity overlay

Tray-resident watchdog for WAN availability, ping, disconnect frequency, and rolling availability. Local JSON history, daily-rotation logs, Windows service install.

Python · Win32 · JSON

Capability matrix.

OBSERVABILITY

- Riverbed NetIM
- NetProfiler
- AppResponse
- Portal
- APM
- Packet Analyzer
- NPM / EUEM
- NetFlow / SNMP
- Custom MIB design
- Auto-grouping

CYBERSECURITY

- Palo Alto (PCNSE)
- Cortex XDR
- Tenable / Nessus
- Skybox
- AlgoSec
- Nipper
- ManageEngine
- NCA / NIST
- Vuln management
- Segmentation

ENGINEERING

- Python
- FastAPI
- PyQt
- Async / parallel
- SSH automation
- JSON / DSLs
- HTML / CSS / JS
- Docker

ARCHITECTURE

- Multi-cloud
- Azure • OpenStack
- Hybrid design
- Dependency mapping
- PS methodology
- Stakeholder mgmt
- Executive reporting

The institutions that move the country.

Royal Court

Ministry of Defense

Saudi Customs

MCIT

NCA

MOH

MOJ

GASTAT

MIFON

Saudi Post

RCU • ALUla

NUPCO

Tanmiah

MIM

RGA

Bank AlBilad

SEU

Mashroat

ACIG

TCC

SCFHS

Certifications & education.

PCNSE

Palo Alto Certified Network Security Engineer

Associate Degree in Networking

College of Telecom & Information • CCNA, CCNA Security, MCSA, CompTIA A+

Let's build something.

Open to advisory, consulting, and full-time conversations. Replies are fastest during KSA business hours.

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