

# Ahmed M. Bedeer

Enterprise Architect · Digital Transformation Specialist · Solution Architect

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## Professional Profile

Enterprise Architecture & Digital Transformation specialist with 7+ years delivering enterprise-scale healthcare and technology programs across Saudi Arabia. I translate C-level vision into governed, executable transformation roadmaps — anchored in **TOGAF**, **NORA**, and **ArchiMate**, and proven by measurable clinical, operational, and financial outcomes. Technology-agnostic; CPHIMS-aligned; fluent in HL7/FHIR/DICOM/SNOMED. I bridge business and technology, lead change, and govern delivery end-to-end.

## Core Expertise

- Enterprise Architecture (TOGAF ADM, BDAT)
- Healthcare Informatics (HIMSS Stage 6)
- Data Architecture & Analytics (EDW/BI/ML)
- Cloud & Infrastructure (Docker/K8s, DR/HA)
- Architecture Governance (ARB, risk register)
- Digital Transformation & Operating Models
- Integration & Interoperability (HL7/FHIR)
- Solution Architecture (Java/Spring, microservices)
- Security & Compliance (HIPAA/GDPR, Zero Trust)
- Leadership, Change & Stakeholder Management

## Experience

### Enterprise Architecture & Digital Transformation Consultant

2026 – Present

*Independent Practice · Cross-Industry · KSA / Remote*

- Lead enterprise architecture initiatives aligned with TOGAF and NORA across healthcare and SME environments.
- Design end-to-end transformation strategies integrating governance, operating models, and data architecture.
- Establish data governance frameworks, master data models, and analytics roadmaps; advise executives on investment and modernization.

### Healthcare IT Project Engineer

Aug 2023 – Present

*GAD International · Heart & Lung Institute, Al Khobar (first specialized cardiac & pulmonary hospital in the Middle East)*

- Architected enterprise digital-health ecosystem (EHR, LIS, RIS/PACS, ICU, portals) — 85% HIMSS Stage 6 readiness.
- Designed interoperability via FHIR APIs, HL7, IoT, and Mirth Connect across 7 departments and 3 clinics.
- Built ODS → EDW platform with ETL feeding BI dashboards; UML revenue-cycle workflows cut month-end close 25%.
- Implemented VLAN segmentation, HA WAN, and DR (sub-1% RTO); privacy-by-design controls (AAA, audit, encryption) for HIPAA/GDPR.
- Active PMO member: technical documentation, vendor SOW review, architecture governance.

### Healthcare Digitalization & Telehealth Consultant

Mar 2024 – Present

*Freelance HIMSS Project · Gulf Region*

- Strategic advisor aligning digital-health initiatives with HIMSS, HL7, HIPAA, and FHIR.
- Improved interoperability and digital-health maturity; championed FHIR adoption for modern EHR exchange.

### IT Project Engineer

Mar 2022 – Aug 2023

*GAD International · Baha Medical Center, KSA*

- Delivered 90% of ICT hospital infrastructure (firewalls, VLANs, OSPF, Active Directory, DNS).
- Tested and commissioned hospital systems on schedule; supported HIS/ERP rollout.

### Data Analyst & IT Engineer

Jan 2022 – Mar 2022

*Medical Mall · Riyadh, KSA*

- Built Power BI analytics and SQL reporting for supply-chain and operational intelligence; automation apps improving efficiency.

## Selected Impact

- 12% ICU length-of-stay reduction
- 25% faster month-end close
- 90% ICT infrastructure delivered
- 85% no-show forecast accuracy
- 85% HIMSS Stage 6 readiness
- 40% less administrative overhead
- \$500K+ cost-savings identified
- Sub-1% RTO failover

## Technical Skills

**Architecture Frameworks:** TOGAF, NORA, ArchiMate, UML, Sparx EA, Visual Paradigm

**Engineering:** Java 17, Spring Boot, Node.js, Microservices, REST/API-first, OODA

**Data & Analytics:** SQL, PostgreSQL, MySQL, EDW/ODS, ETL, Python, Pandas, scikit-learn, Power BI, Tableau

**Healthcare Standards:** HL7, FHIR, DICOM, SNOMED CT, LOINC, ICD-10, Mirth Connect, HIMSS, CPHIMS

**Cloud & Infrastructure:** Docker, Kubernetes, DR/HA, VLANs, OSPF, Aruba, Palo Alto, Active Directory, DNS

**Security & Compliance:** HIPAA, GDPR, Zero Trust, AAA, IAM, audit logging, encryption, privacy-by-design

**Methods & Governance:** Architecture Governance (ARB), Agile, Lean Six Sigma, Business Analysis, PMO

## Certifications & Education

**Certifications:** CPHIMS (HIMSS); Enterprise Architecture Foundations; CCNP ENCOR / CCNA; CompTIA Network+; Microsoft PowerShell; SAP Production Planning; Java 17 / Spring / System Design; Data Analysis Professional (Udacity); Lean Six Sigma; Agile & Project Management; Operational Excellence.

**Education:** B.Sc. Computer Science, Thebes Academy, Cairo (2015–2019).

**Languages:** English (Professional), Arabic (Native).

**Nationality:** Egyptian.