

MOHAMED IBRAHIM RAMADAN

Enterprise Architect | Enterprise Solution Architect | Cloud, Data & AI | GenAI | Digital Transformation

Muscat, Oman · +968 9404 4079 · moa7amed@gmail.com · linkedin.com/in/moa7amed · www.moa7amed.com

EXECUTIVE SUMMARY

Enterprise Architect with 17+ years designing national-scale government platforms and enterprise systems across six GCC and MENA countries. Trusted advisor to executive stakeholders on technology strategy, AI adoption, data governance, and digital transformation. Architected Oman’s cross-ministry performance platform (EJADA) serving ~85 government entities; key architecture contributor to Agentra, an enterprise AI platform delivering GenAI assistants, document intelligence, enterprise search, and RAG on-premises and in private cloud. Leads architecture across the full lifecycle — discovery, target-state design, roadmaps, and modernization — and directs technical presales across 13+ enterprise engagements. A deep platform engineering heritage keeps every architecture grounded in what ships at enterprise scale.

17+ years enterprise delivery · 6 countries (GCC & MENA) · ~85 government entities on one platform · 13+ enterprise presales engagements

CORE COMPETENCIES

Architecture & Strategy: Enterprise Architecture · Solution Architecture · Application Architecture · Target-State Architecture & Roadmaps · Architecture Governance · Reference Architectures · Technology & Platform Strategy

Transformation: Digital Transformation · Government Digital Platforms · Application Modernization · Enterprise Integration · API Strategy · Cloud Adoption · Hybrid & Private Cloud

Data & AI: AI Strategy & Adoption · GenAI & Enterprise AI Platforms · Enterprise Data Architecture · Data Governance · Metadata Management · Enterprise Search & Knowledge Management · AI Infrastructure

Leadership: Executive Stakeholder Engagement · Presales Leadership · Architecture & Discovery Workshops · Technology Selection · Vendor & Partner Management · Technical Leadership

PROFESSIONAL EXPERIENCE

Enterprise Solutions Architect — AI & Strategic Partnerships Jun 2026 – Present

Software Systems LLC (SSL-OMAN), Muscat, Oman — government & enterprise digital solutions provider

- Define AI solution architecture for **Agentra**, SSL’s enterprise AI platform — bilingual intelligent assistants, document intelligence, enterprise search, RAG, and AI workflow automation — architected for on-premises and private-cloud deployment.
- Partner with executive stakeholders to translate business objectives into scoped AI use cases, adoption roadmaps, and target architectures.
- Direct technical presales across 13+ enterprise engagements — RFP/RFI analysis, technical proposals, architecture documents, solution presentations — and develop the vendor and implementation-partner ecosystem.
- Architect data governance solutions on **OpenMetadata** — maturity assessments, capability mapping (catalog, glossary, lineage, quality, stewardship), and governance roadmaps for public-sector initiatives.
- Define AI infrastructure architecture — GPU sizing, storage, networking, and on-premises deployment models.

Lead Solution Architect & Senior Full-Stack Developer Aug 2021 – Jun 2026

Software Systems LLC (SSL-OMAN), Muscat, Oman

- Architected **EJADA**, Oman’s cross-ministry performance platform serving ~85 government entities — solution architecture, enterprise data model, and the executive reporting backbone for national Qlik Sense dashboards.
- Directed the Ministry of Housing & Urban Planning Legal Case Management System end-to-end, from executive requirements workshops through production deployment.
- Architected the OHI Group MENA HR platform — unified records, multi-country payroll engines, and performance management for ~700 employees across GCC operations.
- From 2025, shaped early Agentra architecture and presales — AI demonstrations, document intelligence use cases, and infrastructure planning.
- Led delivery teams and governed architecture across stakeholders, infrastructure, QA, and partners; established the Report Hub adopted as the CMS product’s core reporting layer and integrated IBM FileNet ECM with CMS and dashboards.

SharePoint Lead & Full-Stack Developer Aug 2019 – Aug 2021

RIYADA — Public Authority for SME Development, Muscat, Oman

- Modernized manual government workflows into SharePoint-based platforms for SME services; delivered internal portals and a citizen-facing mobile service with offline support.

Senior Consulting Developer (Independent) Feb 2017 – Present

Enterprise clients across Egypt, Saudi Arabia, Libya, and Oman

- Owned full-lifecycle delivery of ERP, HR, medical, and logistics platforms — including real-time reporting for City Shipping Oman and EMAAR Oman — introducing cloud object storage where local infrastructure was not viable.

Senior Software Engineer Aug 2016 – Feb 2017

Qatar Charity, Doha, Qatar

- Architected a multi-channel donation platform unifying kiosk, mobile, and web channels behind one shared payment API layer with secure services for donation processing and reporting.

Earlier Roles — Regional Enterprise Delivery

2007 – 2019

Team Leader, G7 Software House (2018–2019) — hospital information systems and medical ERP delivery. **Team Leader**, FOREACH IT, Egypt (2016) — Hospital Information System for Libya.

Senior Software Developer, BAB IT Solutions, Riyadh (2015–2016) — stabilized systems for Riyadh Region Police and the Ministry of Communication; contributed to ALDIWAN, Libya's national civil identity system.

Senior Software Developer, FOREACH IT, Egypt (2012–2015) — hospital, HR, and logistics systems; SharePoint document management for the Ajman government (UAE) portal.

Senior Software Developer, HARDTASK, Kuwait (2011–2012) — e-commerce platform with payment integration. **Software Developer**, GULFSIP, Egypt (2009–2011) — VoIP applications and real-time call-center monitoring.

Senior Software Developer, Top Systems, Egypt (2008–2009) — modernized a VB6 ERP to .NET for Saudi clients. **.NET Developer**, MASRTECH, Egypt (2007–2008) — warehouse and ERP solutions.

MAJOR ENTERPRISE PROGRAMS

Agentra — Enterprise AI Platform · SSL-OMAN · government & enterprise customers · Key Technical Contributor, AI Architecture & Presales

Objective: secure enterprise adoption of AI assistants, document intelligence, enterprise search, and RAG on-premises or in private cloud. **Role:** solution architecture, technical design, and AI infrastructure planning (GPU sizing, deployment architecture). **Landscape:** OpenAI APIs, Ollama, Flowise, MCP, PostgreSQL, Redis, MinIO, Docker, vector search. **Outcome:** AI demonstrations, workshops, and PoCs delivered for government organizations; adoption roadmaps and infrastructure plans shaped.

EJADA — National Performance Platform · Government of Oman, ~85 entities · Lead Solution Architect

Objective: a unified, real-time executive view of ministry performance nationwide. **Role:** end-to-end solution architecture, enterprise data model, and SQL reporting foundation. **Landscape:** .NET Core, SQL Server, Qlik Sense. **Outcome:** the executive reporting backbone for national performance monitoring across ~85 government entities.

Enterprise Data Governance Program · Omani government & enterprise initiatives · Solution Architect & Presales Consultant

Objective: establish enterprise data governance — catalog, glossary, lineage, quality — on an open platform. **Role:** governance architecture, platform evaluation, capability mapping, maturity assessments. **Landscape:** OpenMetadata, SQL Server, PostgreSQL, REST APIs. **Outcome:** governance architectures and technical proposals delivered for government initiatives.

Legal Case Management System · Ministry of Housing & Urban Planning, Oman · Solution Architect & Delivery Lead

Objective: digitize legal case management and documentation workflows. **Role:** directed the program end-to-end — requirements workshops, solution design, delivery governance. **Landscape:** .NET Core, SQL Server, Telerik Reporting. **Outcome:** full system delivered from requirements to production handover.

MENA HR Platform · OHI Group, ~700 employees across GCC · Lead Architect

Objective: unify employee records, payroll, and performance management across countries. **Role:** platform architecture with per-country payroll calculation engines. **Landscape:** .NET Core, SQL Server, Blazor. **Outcome:** multi-country payroll platform in production.

Multi-Channel Donation Platform · Qatar Charity, Doha · Senior Software Engineer

Objective: unify kiosk, mobile, and web donations under one payment layer. **Role:** integration architecture consolidating all channels behind a shared payment API. **Landscape:** AngularJS, .NET Web API, React Native, KNET. **Outcome:** consistent donor experience and payment processing across every channel.

- **Oman PKI / e-Government** — Integration Lead: PKI-based digital identity for Oman's e-Government portal; production-hardened certificate validation.
- **ALDIWAN — National Civil Identity, Libya** — citizen registration modules and Oracle/SQL Server cross-database integration.
- **Report Hub** — centralized reporting architecture on Telerik Report Server, adopted as the CMS product's core reporting layer.
- **Stores Management ECM** — IBM FileNet integrated with CMS modules and live dashboards.

ENTERPRISE ARCHITECTURE EXPERTISE

- Full-lifecycle architecture ownership — discovery and current-state assessment, target-state architecture, technology roadmaps, and transition planning for national government platforms.
- Architecture governance in delivery — architecture documentation, design authority across teams, and stakeholder coordination; capability mapping, platform evaluation, and technology selection.
- Reference and deployment architectures for enterprise AI on-premises and in private cloud; executive advisory on AI adoption, data strategy, and modernization.

CLOUD & INFRASTRUCTURE

- Deployment architectures across Microsoft Azure, private cloud, and on-premises — including hybrid models for organizations requiring in-country operation.
- AI infrastructure architecture: GPU sizing, storage, networking, and deployment planning for enterprise AI platforms.
- Container and platform services: Docker, object storage (MinIO, Wasabi S3), PostgreSQL and Redis; CI/CD on Azure DevOps and GitHub Actions; scalability proven on production platforms under real transaction traffic.

DATA & AI

- **Enterprise data architecture:** national data model and executive reporting foundation for EJADA; BI architectures on Qlik Sense, Power BI, and Telerik Report Server.
- **Data governance:** OpenMetadata architectures across catalog, glossary, lineage, metadata, quality, discovery, and stewardship — with maturity workshops and roadmaps.
- **GenAI & enterprise AI:** bilingual assistants, document intelligence, multi-document Q&A, enterprise search, RAG, and vector search on Agentra; GPT-powered content engine with prompt engineering and token cost management.
- **AI in production & agentic AI:** OpenAI APIs, local LLMs (Ollama), Flowise, ML.NET risk scoring, and TensorFlow real-time inference in live enterprise backends; Model Context Protocol (MCP) and agent-based architectures, backed by Anthropic and Dataiku certifications.

ENTERPRISE INTEGRATION

- **API-led integration & payments:** REST architectures and shared service layers — one payment API unifying kiosk, mobile, and web; Thawani Pay, KNET, ACH, WPS, and RTGS flows stabilized with reconciliation.
- **Identity & security:** Oman PKI digital signatures for e-Government citizen identity; OAuth2, JWT, and role-based access control.
- **Enterprise platforms:** IBM FileNet ECM integration; SharePoint workflow and document management for government portals (Oman, UAE).
- **Legacy modernization:** VB6 ERP reverse-engineered to .NET; Java EE ↔ .NET integration for Saudi government systems; Oracle/SQL Server integration for a national identity platform.

PRESALES & CONSULTING

- Directed technical presales across 13+ enterprise engagements — RFP/RFI analysis, technical proposals, architecture documents, and solution presentations.
- Lead executive and discovery workshops with C-level and ministry stakeholders; deliver demonstrations and PoCs; drive technology selection, infrastructure estimation, and vendor/partner ecosystem development.

TECHNICAL SKILLS

Enterprise Architecture & Integration: Solution & Enterprise Architecture, Microservices, REST APIs, API Gateway, Middleware Design, Integration Strategy

Cloud & Infrastructure: Microsoft Azure, Private Cloud & On-Premises Deployment, Docker, MinIO, Wasabi S3, Azure DevOps, GitHub Actions, CI/CD

AI & GenAI: OpenAI APIs, Anthropic Claude API, Local LLMs (Ollama), Flowise, RAG, Vector Search, Prompt Engineering, Token Optimization, MCP, ML.NET, TensorFlow, Python NLP

Enterprise Data: OpenMetadata, Data Catalog, Business Glossary, Data Lineage, Data Quality, SQL Server, T-SQL, PostgreSQL, Redis, Oracle Integration

BI & Reporting: Qlik Sense, QlikView, Power BI, Telerik Report Server & Designer **Enterprise Platforms:** IBM FileNet, SharePoint, Power Apps, Power Automate

Security & Identity: OAuth2, JWT, Oman PKI / Digital Signatures, Role-Based Access Control, Application Security

Programming & Frameworks: C#, .NET Core / .NET Framework, ASP.NET Core, Web API, Blazor, Angular, React / React Native, TypeScript, Python, Entity Framework

CERTIFICATIONS

Enterprise AI & Agentic Systems (2026): Anthropic — Claude with the Anthropic API · Claude Code in Action · Introduction to Model Context Protocol · Introduction to Agent Skills

Machine Learning & Data (2026): Dataiku — MLOps Practitioner · Generative AI Practitioner · ML Practitioner · Advanced Designer · Developer · Core Designer

Analytics & ML Foundations: Qlik — Partner Sales Analytics · Partner Sales Data; Kaggle — Intro to Machine Learning · Python (2024); 2nd MEC National Symposium on AI, Oman (2024)

Leadership & Professional: PMP Preparation & ITIL Foundations (New Horizons); Dale Carnegie — Leadership, Communications, Public Speaking, Project Management; Berlitz — Business English

Technical Foundations: MCIT Professional Training Program; Synergy — SharePoint, C#/.NET, SQL Server, Application Security

EDUCATION & LANGUAGES

Study Diploma in Information Technology — IGSR, Alexandria University, 2009 · **Diploma, Computer Software Engineering** — Synergy Institute, 2006–2007 · **Bachelor's in Accounting** — Alexandria University, 2006

Languages: Arabic (Native) · English (Full Professional) · French (Elementary)