KHURRAM ALI

Head of Technology | Strategy, Enterprise Architecture & Responsible AI

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EXECUTIVE PROFILE

Technology leader with **15+ years** in software engineering, including **12+ years in senior technical leadership** as Co-Founder & CTO and as programme lead for Abu Dhabi Government digital platforms. I lead the full lifecycle of large, multi-stakeholder systems: requirements and change control, enterprise architecture, secure engineering, Agile/DevOps delivery and production support. Currently leading a sovereign, AI-enabled regulatory platform for Abu Dhabi Public Health Centre serving ~35,000 regulated entities, and the governance platform used by Abu Dhabi's Department of Government Enablement to run planning, ICT budgeting, KPI and maturity reviews across 40+ government entities. Previously built and led an engineering organisation of up to 50 people delivering 7+ products and client programmes across Pakistan, UAE, KSA, Qatar, USA and Canada.

LEADERSHIP IMPACT HIGHLIGHTS

- **National-scale platforms:** Leading delivery of government systems that regulate tens of thousands of organisations and govern emirate-wide ICT investment decisions.
- **Programme scale:** Project lead for a ~12,000 person-day, 22-sprint programme with a ~25-person team (BA, UX, architecture, security, engineering, AI, QA, DevOps).
- **Architecture & security governance:** Author of the high-level design and architecture decisions taken to the client's Architecture Review Board: zero-trust edge (WAF, API gateway), MFA identity federation, key management, SOC/SIEM integration and data-sovereignty controls.
- **Responsible AI in government:** Designed human-in-the-loop AI for compliance-critical work on a UAE-sovereign LLM, and built an AI budget copilot that turned manual review of 3,000+ ICT planning records into a prioritised, evidence-based review backlog.
- **Delivery discipline:** Introduced structured SDLC and change control with a government client: separating defects from enhancements, joint backlog prioritisation, dry-run validation before sign-off and no unplanned production releases.

PROFESSIONAL EXPERIENCE

Technical Program Manager (Head of Technology) | OrientMCT, Abu Dhabi, UAE — 10/2024 – Present

Most senior technology leader at the firm, accountable for all technology programmes, solution architecture, engineering delivery, technical presales and client technology relationships with Abu Dhabi Government entities.

ALADAA Revamp – Abu Dhabi Public Health Centre (ADPHC): sovereign AI-enabled Occupational Safety & Health regulatory platform

- **Scope & value:** Leading the re-platforming of the emirate's OSH regulatory system (in service since 2014) into a bilingual Arabic/English platform covering entity nomination and registration, OSHMS certification with QR verification, 15+ regulatory forms, incident and sentinel-event management, audit and inspection, corrective actions and executive dashboards. It serves ~35,000 entities and 17 sector regulatory authorities under ADPHC.
- **Leadership:** Project lead and decision owner for scope, identity, architecture and delivery. Produced and baselined the signed Business Requirements Document, the High-Level Design and Architecture Review Board submission, and the WBS estimate, resource plan and 22-sprint roadmap to go-live in October 2027.
- **Architecture:** Modular-monolith ASP.NET Core platform with three React/TypeScript apps (internal, entity portal, offline-capable inspection PWA) on Azure: Azure SQL, Logic Apps integration, Blob storage, Key Vault, behind the Department of Health F5 WAF and API gateway. Identity uses Entra ID for staff and Department of Health OAuth with mandatory MFA for external users. Integrations with government services include trade licensing, addressing/GIS and identity.
- **Security & compliance:** Security-by-design across RBAC with entity-scoped data access, audit history and versioning, encryption, SOC/SIEM alignment and security assessment and remediation, all within UAE data-residency requirements.
- **AI:** Defined and prioritised 12 AI use cases (duplicate detection, document consistency review, corrective-action suggestions, incident chronology, audit contradiction checks, pre-audit briefings) on a UAE-sovereign LLM with

Azure AI Search and Document Intelligence. Deterministic rules and human approval are mandatory for compliance outcomes.

- **Governance:** Run evidence-based requirements management with source precedence, a RAID log and an open-questions register (100+ items tracked to closure), and formal change control against contractual commitments.

Digital Connect – Department of Government Enablement (DGE), Abu Dhabi: digital governance platform

- **Scope & value:** Business owner for a shared platform through which DGE governs digital transformation across 40+ Abu Dhabi government entities. Modules cover ICT Budget Planning and Utilisation, the Annual Operating Plan, KPI and performance management, digital (GDMI), data and InfoSec maturity assessments, and engagement planning.
- **Impact:** Replaced spreadsheet and email processes with governed, auditable multi-tier workflows (entity → department → DGE), SLA reminders, evidence management and executive Power BI dashboards. This brought transparency and prioritisation to the emirate's multi-billion-dirham ICT budget review.
- **AI Budget Copilot:** Built and demonstrated an AI-assisted intake and review experience: document evaluation, field and budget-line suggestions, strategic-priority classification and advisory policy checks. Applied to 3,000+ planning records, it surfaced ~860 strategic-alignment and ~70 policy findings for expert review. Governed by human confirmation, prompt versioning and redacted model logging.
- **Engineering governance:** Owned Power BI and business acceptance; shaped sprint planning, release management, security review and architecture. Led the client-facing SDLC alignment programme that stabilised production and reduced unplanned rework.
- **Rapid prototyping:** Personally built a React/TypeScript prototype of the KPI performance system (six roles, ten-state approval workflow with clarification loops and a full audit trail, AI-generated performance narratives) to validate UX and rules before build.

Other Abu Dhabi Government engagements

- **DMT application rationalisation (with Siemens Advanta):** Assessed 126 enterprise applications against 34 business capabilities using TOGAF; drafted current-state application and technology architecture and supported the API-first, modular target state for the Department of Municipalities and Transport.
- **Presales & solution leadership:** Led solution design and technical proposals for government and enterprise RFPs, including portfolio-management platform modernisation, AI-enabled HSE, mobile and portal programmes, and cloud migration. Authored a reusable proposal methodology.
- **Change management digitisation:** Defined product requirements to digitise an 11-stage organisational change-management toolkit into a guided, role-based application.

Co-Founder & Chief Technology Officer | Logic-Unit, Karachi, Pakistan **01/2013 – 10/2024**

- **Organisation leadership:** Built and led product and engineering teams of up to 50 engineers, designers, product and project managers. Set technology strategy, architecture standards and the delivery model across 7+ products and many client programmes in the USA, Canada, UAE, Qatar, KSA, Australia and Pakistan.
- **End-to-end delivery:** Owned the full lifecycle from discovery, architecture and roadmap through MVP, development, QA, launch and post-release improvement across SaaS, mobile, web, enterprise and AI-enabled platforms.
- **Engineering excellence:** Mentored engineering leads and raised delivery discipline through code reviews, architecture reviews, reusable patterns and stronger quality practices. Directed cloud, microservices, mobile, data-platform and enterprise-integration architectures.
- **Client leadership:** Partnered directly with client executives on requirements, expectations and delivery risk; grew engagements through trusted technical leadership and presales. Delivery partner to firms including 10Pearls and IFS.
- **Government & mission-critical:** Delivered Salik toll-account mobile and Windows applications for Dubai's road toll system (millions of vehicles), managed a vehicle onboarding system for the UAE Ministry of Transport, built a drug verification app for AGP, and delivered projects for Pakistan government and semi-government entities.
- **Enterprise ERP:** As IFS partner, implemented IFS Applications ERP at Karachi Shipyard & Engineering Works, Pakistan's only shipbuilder.
- **AnalyzeQuran:** Directed AnalyzeQuran, a Quran study platform with 50,000+ users and 90% user satisfaction, recognised by BOL TV in 2023 as one of the best Quranic study apps. Designed RAG-based topic search on an LLM (Mistral 7B) engineered to avoid hallucination on religious text.

- **SaaS products:** Conceived and led Titan CMMS (industrial maintenance management) and HULM, a SaaS business-operations platform for businesses across the Middle East. Launched StalkHawk, a social analytics app that reached 10,000+ active users within six months.
- **Security engineering:** Designed a cost-efficient log-collection system complementing SIEM tools for the cybersecurity start-up ThreatCure, reducing security-operations cost by 40%.
- **Selected clients & programmes:** BDO Canada (legacy system documentation), Qatar Airways, Novo Nordisk, Dunkin' Donuts, Leopard Courier, Heraf (KSA B2B e-commerce), Sanateena (Qatar), Goodments (Australia) and CycleOfLifeAdventures (USA).

Founder & CEO | Awaz.ai (AI start-up), Pakistan **08/2019 – 09/2020**

- Founded a voice-AI start-up building conversational voice bots for order taking, FAQs and customer service for Pakistani businesses.

Business Intelligence Developer | TRG (The Resource Group), Karachi **05/2012 – 12/2012**

- Designed a SQL Server data warehouse (SSIS ETL, SSAS cubes, SSRS reporting) for executive call-centre analytics, cutting report generation time by 60%.

Software Engineer | Catalyst IT Solutions, Karachi **01/2011 – 05/2012**

- Developed features for CCATS, a real-time stock trading platform used by brokerages nationwide; built a Karachi Stock Exchange simulator on the FIX protocol (QuickFIX) and led a brokerage research and analytics portal.

CORE COMPETENCIES

- **Engineering leadership:** SDLC governance, Agile/Scrum, DevOps and CI/CD, automated testing and QA, code review and coding standards, release and change management, multi-project portfolio delivery, vendor and stakeholder management
- **Architecture:** Enterprise architecture (TOGAF), architecture review boards, modular monoliths and microservices, REST APIs and integration platforms, event-driven systems (Kafka), web and mobile, cloud and on-premise deployment
- **Security:** Security-by-design, secure coding (OWASP Top 10), VAPT findings remediation, application hardening, identity and access management (Entra ID, OAuth/OIDC, MFA), RBAC, encryption and key management, WAF/API gateway, SOC/SIEM integration, data sovereignty
- **AI & data:** Generative AI/LLM integration, RAG, document intelligence, AI governance and human-in-the-loop design, sovereign and self-hosted model deployment, Power BI, data warehousing and ETL
- **Technology:** C#/.NET Core, Java, Node.js, Python, React/TypeScript, React Native, Flutter, SQL Server, PostgreSQL, MySQL, Elasticsearch, Redis, Docker, Kubernetes, Azure, AWS, GCP, Microsoft Power Platform/Dataverse

AWARDS, EDUCATION & CERTIFICATIONS

- **Award:** Project Coordination and Leadership Excellence Award, OrientMCT (Dec 2025), for leading Abu Dhabi Government digital transformation initiatives
- **B.S. Computer Engineering (4-year):** National University of Computer & Emerging Sciences (FAST-NUCES), 2006 – 2010
- **Certifications:** Atlassian Agile Project Management Professional Certificate (2024); Cloud Architecture: Advanced Concepts (2024); Scrum and Jira Cloud Agile PM series (2024)
- **Languages:** Urdu (native), English (full professional), Arabic (elementary)