

ABDELRAHMAN KARAM SAID ATTYA

Technical Architect | Technical coordinator | Digital construction specialist

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PROFESSIONAL SUMMARY

Technical Architect and Technical Team Leader specialising in hospitality, luxury residential and large-scale developments across the UAE, the GCC and East Africa. I connect design intent to construction through advanced BIM, ISO 19650-aligned information management and high-resolution technical documentation.

5+ years delivering complex projects from schematic design to fit-out: ultra-luxury mansions at Sobha Hartland, authority-regulated public infrastructure for Dubai RTA, housing and mixed-use schemes in Saudi Arabia and Egypt, and now the Anantara Zanzibar resort with Infinity Developments, with AI-enabled workflows built into technical delivery.

CORE SKILLS

- Floor Plan Layout Optimization (GFA, BUA, parking percentage, unit mix, efficiency).
- Design drawings package production (DD) .
- Quality Control and Code Compliance .
- Shop Drawings and Construction Documentation.
- IFC Drawings, and Mockup Drawings.
- Tendering, Bid Evaluation, and Post-Tender Analysis.
- BIM Modeling and Coordination (Architecture, Structure, MEP).
- Bill of Quantities (BOQ) and Quantity Surveying.
- Cost Estimation and Contract Documentation Support.
- Interdisciplinary Coordination and Issue Resolution.

TECHNICAL TOOLS

- Autodesk Revit
- SketchUp
- Enscape, Lumion and D5 Render
- Adobe Photoshop
- Autodesk Construction Cloud (ACC) and BIM 360
- Navisworks
- AutoCAD
- Revizto
- Dynamo and pyRevit
- AI tools: Claude integrated with Revit (MCP), LLM agents, AI-assisted rendering
- Python and ifcopenshell (IFC verification)

CERTIFICATIONS

- Autodesk - BIM Architecture Diploma
- Autodesk - BIM Structure Diploma

- Autodesk - BIM Coordination
- Autodesk - BIM Management Diploma
- BSI - ISO 19650 Parts 1-6: concepts and principles, delivery phase, operational phase, information exchange, security-minded approach, health and safety
- BSI - BIM Fundamentals

PROFESSIONAL EXPERIENCE

Technical Team Leader | Infinity Developments

Dubai, United Arab Emirates | 04/2026 - Present

- Lead a BIM modelling team producing Revit models and IFC packages for Anantara Zanzibar and other projects.
- Manage IFC packages from register to issue: G+4 hotel suites (45 sheets), 3-BHK villas (29 sheets).
- Coordinate MEP, structure, landscape, lighting, ICT and F&B consultants, from RFQs to deliverables.
- Set BIM standards: ACC-hosted models, Revit template, ISO 19650 naming and LOD 300 consultant models.
- Apply AI in delivery: Revit add-ins for sheet production, automated IFC checks and AI drawing reviews.

Technical Architect | PNC Architects

Dubai, United Arab Emirates | 07/2025 - 04/2026

- Prepared Design drawings in compliance with project standards and local regulations.
- DM submittal drawings, ensuring adherence to applicable codes.
- ACC work sharing submittals and revisions to ensure contractor smooth execution.
- Prepared IFC drawings, mockups and as built, as part of different project stages.
- Resolve model conflicts and ensure seamless integration between architectural, structural, MEP, and other disciplines through coordinated BIM workflows.

Technical Architect | REDCON Construction

Egypt | 02/2025 - 06/2025

- Implement BIM-based quality control procedures to ensure accuracy, consistency, and completeness of digital deliverables.
- Create precise and coordinated shop drawings using BIM tools for architectural elements and systems.
- Identify and resolve technical and coordination issues through model-based clash detection and interdisciplinary collaboration.
- Ensure compliance with architectural drawings, specifications, and building codes through systematic technical reviews.
- Deliver ISO 19650-compliant BIM models by enforcing standardized workflows to improve information reliability and coordination efficiency.

Technical Coordinator | Alraem Developments (ARACO)

Saudi Arabia (Back Office) | 07/2024 - 02/2025

- Execute end-to-end design development for high-rise residential and hotel apartment buildings from preliminary design through tender documentation.
- Review and coordinate architectural deliverables to ensure compliance with project standards and local regulations.
- Review architectural and multidisciplinary BIM models to ensure alignment with project requirements, design intent, and applicable standards.
- Support tender documentation, technical submissions, and multidisciplinary coordination.
- Prepare and review tender documents, address bidder queries, evaluate bids, and support contract finalization.

JR Technical Architect | Alraem Developments (ARACO)

Saudi Arabia (Back Office) | 01/2024 - 07/2024

- Prepare design drawings in compliance with project standards and applicable local regulations.
- Manage ACC work sharing submittals and revisions to support smooth contractor execution.
- Prepare IFC drawings, mockups, and as-built documentation across different project stages.
- Coordinate with contractors and consultants to ensure timely approvals and aligned deliverables.

JR Architect | TurnKey Developments

Egypt | 06/2022 - 01/2024

- Develop floor plan layouts based on project area schedules, including Gross Floor Area (GFA), Built-Up Area (BUA), parking requirements, unit mix strategies, and saleable/rentable area efficiency.
- Create accurate and comprehensive shop drawings for multiple building elements and packages.
- Prepare specifications for materials, finishes, and construction methods.
- Conduct quality control checks on construction documents to ensure accuracy and consistency.
- Prepare contract documentation including agreements, specifications, drawings, and BOQ.
- Provide technical support to contractors and site teams to ensure buildability and compliance.

JR Architect (Site Based) | TurnKey Developments

Egypt | 09/2021 - 07/2022

- Ensure compliance with architectural drawings, specifications, and building codes during site execution.
- Inspect the quality of materials and workmanship and support corrective actions where required.
- Identify and resolve design-related issues on-site in coordination with the technical office and contractors.
- Coordinate with contractors and subcontractors to ensure smooth execution and timely progress.

SELECTED PROJECTS

- Sobha Hartland 2 - Mansions and towers.
- Metro/Tram RTA - DUBAI
- Towlan Hotel – Residential project (Riyadh, Saudi Arabia).
- Awali El Narges – Commercial residential project (Riyadh, Saudi Arabia).
- Alasalah – Residential project (Riyadh, Saudi Arabia).
- Alforsan – Commercial residential project (Riyadh, Saudi Arabia).
- Sedir Fuel Station – Riyadh–Al Qassim Highway project (Saudi Arabia).
- Kob El Rowdan – Residential project (Buraydah, Saudi Arabia).
- Golden Gate Mall (New Cairo, Egypt).
- Villa 109, 40, 115 – Residential projects (New Giza, Cairo, Egypt).
- Arqam District 5 – Administrative project (Cairo, Egypt).

EDUCATION

Bachelor's degree in Architecture | Ahram Canadian University, Cairo, Egypt | 09/2017 - 06/2021

LANGUAGES

English – Proficient