

Aromal Sarasan

Bim Manager | Senior Bim Coordinator

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Profile Summary

BIM Manager / BIM Coordinator with 10+ years of experience leading and delivering multidisciplinary BIM models for large-scale hospitality, healthcare, commercial, and infrastructure projects across Saudi Arabia. Autodesk Certified Professional with strong expertise in LOD 300–500, ISO 19650 compliance, BIM Execution Plans (BEP), clash detection, COBie implementation, and QA/QC audits. Proven ability to coordinate Architecture, Structure, and MEP teams and support successful design-to-construction workflows on complex projects.

Skills

BIM Coordination & Clash Detection | Multidisciplinary Model Integration | LOD 300 / 400 / 500 Modeling | BIM Execution Plan (BEP) | QA/QC & Model Audits | Quantity Takeoff & BOQ | COBie Data & Asset Information | ISO 19650 Compliance | BIM Strategy & Governance | BIM Standards Development & Implementation | BIM Team Leadership & Mentoring | Client & Stakeholder Management

Tools

Revit (Architecture, Structure, MEP) | Navisworks Manage | Dynamo | AutoCAD | Enscape | DiRoots | MS Excel, Word

Professional Experience

BIM Manager / BIM Coordinator | Technical Expert Group (TXG), Saudi Arabia | January 2024 – Present

- Defined and implemented project-wide BIM strategy, standards, and workflows in alignment with ISO 19650.
- Managed information delivery in accordance with ISO 19650, including MIDP, TIDP, and CDE workflows.
- Acted as the primary BIM point of contact for clients, consultants, and internal stakeholders.
- Oversaw daily BIM production across Architecture, Structure, and MEP teams, providing technical and managerial guidance.
- Prepared weekly BIM progress and status reports for senior management and design leadership.
- Planned and delivered BIM training sessions (group and individual) to enhance team capability and performance.
- Coordinated multidisciplinary BIM models (Architecture, Structure, MEP) up to LOD 400/500 in compliance with ISO 19650 standards.
- Prepared and reviewed BIM Execution Plans (BEP), scope analysis, clash matrices, and submission reports for client approvals.
- Led clash detection and coordination meetings using Navisworks, resolving design conflicts prior to construction.
- Conducted QA/QC audits on BIM models to ensure adherence to project standards, client requirements, and BIM protocols.
- Implemented COBie standards and prepared COBie spreadsheets to support asset information handover.
- Generated BOQs, schedules, and quantity takeoffs directly from BIM models.
- Supported and trained team members on Revit workflows, add-ins, and best practices to improve model efficiency.

Key Projects:

- L01, Al-Yamamah Project, Saudi Arabia
- Six Senses Hotel, Wadi Safar, Saudi Arabia

Architecture BIM Specialist | East Consulting Engineering Center (ECEC), Saudi Arabia | April 2022 - January 2024

- Developed Architecture and Interior BIM models up to LOD 300 for large-scale commercial and healthcare projects.
- Created and managed Revit families, view templates, and BIM content libraries.
- Reviewed BIM models against BEP, client standards, and design specifications.
- Coordinated Architecture models with Structure and MEP using Navisworks and Enscape.
- Automated documentation workflows using DiRoots and BIM interoperability tools, improving drawing production efficiency.
- Prepared clash reports and schedules for design coordination and review meetings.

Key Projects:

- Armed Forces Hospital, Abu Arish (300 Beds) – LOD 300
- ENSAN Charity Head Office, Riyadh – LOD 300

- Intercity Hotel Extension, Riyadh – LOD 300

BIM Modeler | Shapoorji Pallonji Mid East LLC, Saudi Arabia | September 2018 - September 2021

- Developed multidisciplinary BIM models (Architecture, Structure, MEP) up to LOD 400 in compliance with project BIM standards.
- Prepared shop drawings, detailed construction drawings, and schedules directly from BIM models.
- Reviewed and revised IFC models in line with in-house BIM standards and coordination requirements.
- Resolved design and coordination discrepancies through close collaboration with engineers and site teams.
- Created coordination models and walkthroughs using Navisworks to support construction planning.
- Established search sets and model segregation for Architecture, Structure, and MEP to improve construction usability.
- Developed Revit landscape models up to LOD 400 for integrated site coordination.

Key Projects:

- SJMB Headquarters, Jubail – LOD 400

Junior CAD operator | Omnix International, UAE | March 2017- May 2018

- Prepared interior design (ID) shop drawings for commercial and office spaces.
- Produced detailed drawings for wet areas and wadi areas in coordination with project specifications.
- Assisted in the preparation of shop drawings and construction details.
- Coordinated drawings with Structural and MEP teams to ensure clash-free documentation.

Key Project:

- Saudi Electricity Company Headquarters, Riyadh

Site Engineer | PROJECT X Constructions, India | February 2016 - February 2017

Site Engineer | Silpa Associates, India | March 2015 - January 2016

Education

Bachelor of Technology in Civil Engineering | University of Kerala | India.

Certifications & Professional Affiliations

- ISO 19650 – Asset Information Professional (AIP)
- ISO 19650 – Project Information Professional (PIP)
- Autodesk Certified Professional – Revit Architecture
- Autodesk Certified Professional – Revit MEP
- Masters Diploma in Autodesk Software (BIM)
- Member, Saudi Council of Engineers (SCE)
- Certified A-Class Civil Engineer – Kerala Urban Affairs, India

Languages

English | Hindi | Malayalam | Tamil