

RAMI ADEL ABSHAR

Senior Structural & Project Engineer

PROFILE

Results-driven Professional Structural & Civil Engineer with over 9 years of progressive experience spanning structural analysis, design, BIM coordination, and project management across Sudan and Saudi Arabia. Accredited by the Saudi Council of Engineers (SCE ID: 850803, Professional Grade) and the International Association of Engineers (IAENG Member No. 338155). Demonstrates a dual command of advanced structural design — including reinforced concrete and BIM-integrated workflows — and project lifecycle management, from concept through construction supervision. Consistently delivers complex residential, commercial, and healthcare projects on schedule, within budget, and in full compliance with the Saudi Building Code (SBC) and international standards. Committed to continuous professional development as evidenced by 20+ certified CPD seminars and technical training programs (2015–2026).

JOB EXPERIENCE

• Structural Engineer

Bayan Engineering Consultancy — Buraydah, KSA

Mar 2022 – Present

- Engineered complete structural design packages for residential and commercial projects using ETABS, SAFE, and Revit, ensuring full SBC compliance.
- Directed site inspection programs for active projects, verifying reinforcement and concrete works prior to casting — achieving zero structural defects on all inspected pours.
- Resolved design conflicts in multi-disciplinary coordination between architectural and MEP teams, eliminating costly on-site rework.
- Optimized structural systems through Value Engineering, identifying material efficiencies on key projects.
- Spearheaded BIM workflows (Revit Structure) within the design team, reducing design revision cycles and improving model coordination accuracy.

• Structural Engineer

LiLi Studio Architectural Engineering — Khartoum, Sudan

Jul 2018 – Sep 2021

- Designed RC structural systems — flat slabs, ribbed slabs, shear walls, and foundations — for residential and healthcare projects.
- Produced full structural drawing packages using ETABS, SAFE, Revit, and AutoCAD; coordinated with architects and monitored site execution.

• Structural Engineer (Part-Time)

SMI Engineering Consulting Group — Khartoum, Sudan

Mar 2019 – Apr 2020

- Performed structural integrity assessments for telecom companies across 50+ sites, evaluating rooftop tower installation capacity and preparing technical reports.

• Site Civil Engineer

Murtada Maaz Consultant — Khartoum, Sudan

Jan 2018 – Jul 2018

- Supervised daily construction activities for commercial and residential projects against HSE standards; completed 6-month Project Management Development Program.

CONTACT



Buraydah, Al-Qassim, KSA

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EDUCATION

2012 - 2017

BACHELORS IN CIVIL ENGINEERING

KASSALA UNIVERSITY

CORE COMPETENCIES

• Structural

- RC Systems
- Wind Load (ASCE 7-16)
- Seismic Analysis
- Value Engineering

• Project Mgmt.

- Project Lifecycle
- Stakeholder Coordination
- Cost Control
- QA/QC
- Site Supervision
- BOQ

• Software

- ETABS
- SAFE
- SAP2000
- Revit Structure
- AutoCAD
- Robot
- Tekla Tedds
- Primavera P6
- MS Office

• CODES & STANDARD

- Saudi Building Code (SBC)
- American Standards
- British Standards (BS)

CERTIFICATIONS & TECHNICAL TRAINING

• Structural Analysis & Design Software

- ETABS & SAFE (Advanced)
- Autodesk Robot Structural Analysis
- Autodesk AutoCAD Structural Detailing
- BIM: Revit Structure + Robot Analysis + AutoCAD Structural Detailing
- AutoCAD Drawing Program

• Structural Analysis & Design Methods

- Wind Load Analysis per ASCE 7-16
- Manual Structural Analysis with Tekla Tedds
- Preparation of Bills of Quantities & Specifications

• Project Management & Professional Development

- PMP Exam Preparation Course
- Basics of Project Management

CONTINUOUS PROFESSIONAL DEVELOPMENT (CPD)

- Strategy and Mega Project Management
- Importance of Applying Quality in Project Management
- Quality and the ISO Family
- Introduction to Engineering Project Management
- Avoiding Structural Failure Risks in Projects

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MEMBERSHIPS

- Professional Engineer: Saudi Council of Engineers (SCE) – ID: 850803
- Member: Sudanese Council of Engineering – ID: 53249
- Member: (MIAENG) – International Association of Engineers (No. 338155)

LANGUAGES

- Arabic: Native
- English: Professional Working Proficiency