

## MOHAMMED ABDUL RAHMAN

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**Junior Structural Engineer | BBS & Shop Drawing Specialist**

**Ready to Relocate to Saudi Arabia | Available for Immediate Joining**

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### PROFILE SUMMARY

Dynamic and detail-oriented **Junior Structural Engineer** with 2.5+ years of experience in **BBS auditing, rebar detailing, and shop drawing verification** for large-scale civil infrastructure projects. Proven ability to deliver **cost savings (800K+ QAR)**, improve approval cycles, and reduce site rework through automation and technical precision. Experienced in QCS 2014, ACI 318, Eurocode 2, and BS standards. Currently contributing to the **3.5B QAR Hamad International Airport Expansion**.

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### CORE SKILLS & EXPERTISE

- **Structural Engineering:** Rebar Detailing, Structural Design Review, Concrete Structures
  - **BBS & Quantity:** BBS Auditing, Quantity Take-offs, Optimization of Reinforcement
  - **Software Skills:** AutoCAD, Revit, ETABS, MS Excel (Advanced), Bluebeam, MS Project
  - **Standards & Codes:** QCS 2014, ACI 318, Eurocode 2, BS 8110, IS 456
  - **Project Efficiency:** Cost Reduction, Clash Detection, Shop Drawing Review
  - **Communication:** Coordination with Consultants/Subcontractors, RFI/SNR Handling
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### PROFESSIONAL EXPERIENCE

**Midmac Contracting Company WLL – Doha, Qatar**

**Junior Structural Engineer | Hamad International Airport Expansion (Concourse D & E)**

**Nov 2022 – Present**

#### **BBS Optimization & Cost Control**

- Reviewed **120+ BBS submissions**, identifying **15% discrepancies**, saving **800,000+ QAR** in rework costs.

- Built an **automated BBS checker** in Excel, reducing review time from **3 days to 6 hours**.
- Delivered **25+ emergency BBS** for urgent site needs, avoiding critical delays.

### Shop Drawings & Compliance

- Reduced drawing errors by **40%** through a structured 3-level technical review system.
- Flagged **68+ structural non-compliances** (lap splices, cover issues), preventing rework.
- Trained subcontractor teams on QCS 2014, leading to a **30% reduction in drawing rejections**.

### Structural Coordination

- Managed **weekly AutoCAD progress drawings** for 50+ precast manholes (1.5m–3m  $\emptyset$ ).
- Resolved **30+ MEP vs Structural clashes** for underground works, maintaining project timelines.
- Supported QA/QC teams in rebar inspection, BOQ tracking, and method statement compliance.

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## KEY PROJECTS HANDLED

### Hamad International Airport Expansion (Qatar) – Concourse D & E

- Budget: **3.5 billion QAR**
- Reviewed **50+ manhole designs** with 12% rebar optimization.
- Reduced BBS approval cycle by **25%**, accelerating construction progress.
- Handled **rebar detailing** for precast elements, staircases, and foundations.

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## TECHNICAL ACHIEVEMENTS

- Developed **Excel-based BBS Automation Tool** (cut review time by 80%).
- Created standardized **AutoCAD protocols** improving drawing clarity by 50%.
- Reduced unnecessary RFIs by **eliminating 45+ issues** through proactive clash checks.

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## EDUCATION & CERTIFICATIONS

### **MTech – Structural Engineering**

Nawab Shah Alam Khan College, Hyderabad, India | 2018–2020

### **BTech – Civil Engineering**

Vijay Rural Engineering College, Nizamabad, India | 2014–2018

### **Certifications**

- AutoCAD (Autodesk Certified)
  - ETABS (Structural Analysis & Design)
  - QCS 2014 Compliance Training
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### **ADDITIONAL INFORMATION**

- **Languages:** English (Fluent), Hindi (Fluent), Arabic (Basic)
- **Joining:** Available Immediately | Open to Transfer or Saudi Visa Sponsorship
- **Location Preference:** Riyadh, Jeddah, Dammam, NEOM, Red Sea Project