

# Abdul Rahman Al Omari

Civil Engineer | Structural & Project Engineer | Project Management | BIM | Research Associate | Quality Assurance

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Nationality: German

Location: Saudi Arabian

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## PROFESSIONAL SUMMARY

Civil/Structural Engineer with hands-on and academic experience across reinforced concrete, steel, and timber systems. Strong track record in Eurocode-based design (EC2, EC3, EC5), temporary works (rigging grids, modular walls, exhibition towers), and QA/QC workflows. Deliverables include hand calculations, software validation, and constructible detailing. Currently based in Jeddah – available for immediate employment in Saudi Arabia.

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## EDUCATION

- **Bachelor's Degree in Civil Engineering** Aachen University of Applied Sciences, Germany | 2019–2024
- **Technical Engineering Assistant Diploma** Carl-Severing-Berufskolleg, Germany | 2017–2019

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## KEY SKILLS

- Structural design & verification: EC2, EC3, EC5; ULS/SLS; stability, serviceability, detailing
- Concrete, steel & timber: slabs, beams, frames, CLT, rigging grids, exhibition towers
- Temporary works: hanging grids, modular walls/towers; load paths & anchorage checks
- Software: RFEM/Dlubal, Frilo, PyCor (academic), AutoCAD, Excel; basic BIM workflows
- Project coordination: method statements, RFIs, redlines, as-built documentation
- Quality & compliance: ITPs, material submittals, ISO 9001, NCR follow-up

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## PROFESSIONAL EXPERIENCE

### Ahu GmbH–Research Associate & Engineer | 2021–2024, (Germany)

- Ensured accuracy and precision of measurements utilizing specialized engineering tools and technologies.
- Conducted site inspections and technical documentation to support QA/QC compliance.
- Contributed to material testing, data analysis, and preparation of engineering reports.

### Vom Felde und Kepler–Civil Engineer | 2024.03–2024.05, (Germany)

- Formed precise structural calculations and system designs supporting successful engineering projects.
- Prepared technical documentation and construction drawings in compliance with international standards and specifications.
- Utilized Infograph and AutoCAD to develop efficient, reliable, and innovative design solutions.

## INTERNSHIP

### **BAS Civil and Architectural Engineering–Junior Urban Planner & Architectural Designer| 2018.06–07& 2019.01–02**

Assisted in residential project design and planning, producing 3D visualizations and optimized architectural layouts that met regulatory and aesthetic standards.

### **Rastoder Bau GmbH–Assistant Project Engineer | 06.2017–02.2018 (Germany)**

Supervised reinforcement preparation and installation according to German standards, coordinating teams and ensuring precise, safe, and high-quality execution of residential construction works.

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## **Selected Projects**

- WASAG Chemie Remediation Project – Germany (2022–2024): Structural & environmental remediation; stability and containment verification.
  - Exhibition Rig Structure – Glasgow (2024): FEM rigging analysis; load path and hanger verification (EN 1991/1993).
  - Modular Tower Structure – Hamburg (2024): Wind & stability design for modular steel–aluminum tower system.
  - Structural Timber Roof – Mönchengladbach (2024): EC5 verification; bending, shear, and deflection optimization.
  - Middle Purlin Strengthening – FH Aachen (2023): Timber–steel composite retrofit; ULS/SLS compliance.
  - RC Residential Building – Düsseldorf (2024): RC frame + basement design; EC2 load analysis and detailing.
  - Modern Residential Villa – Aachen (2018): RC structure with integrated landscape and daylighting concept.
  - Sustainable Family House – Bielefeld (2018): Passive solar design with optimized thermal envelope.
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## **PROFESSIONAL CERTIFICATIONS & TRAINING**

- Project Management, accredited by Project Management Institute (PMI) & LinkedIn, 2024.
  - Foundational Project Management Certification, Microsoft & LinkedIn, 2025
  - Foundations of Performance Management, National Association of State Boards of Accountancy (NASBA), 2025.
  - Work Experience Certificate Ahu GmbH | 2024
  - Occupational Safety Certification, Berufsgenossenschaft der Bauwirtschaft (BG BAU), Germany, 2018.
  - Saudi Council of Engineers (SCE) Membership | Current
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## **Languages**

Arabic — Native

German — Native/Bilingual

English — Professional

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## **ATS Keywords**

CivilEngineer;Structural Engineer; Project Engineer; Project Management; RC; Steel; Timber; EC2; EC3; EC5; Reinforcement; Detailing; QA/QC; Site

Engineer; Method Statement; ITP; RFI; As-built; BIM; AutoCAD; RFEM; Frilo; Dlubal; Temporary Works; Rigging; Exhibition; Saudi Arabia; Gulf.