

AHMED ABDULQADER ALSAKKAF

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Civil Engineer

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PROFILE

I am a civil engineer with 5 years of experiences in structural design, supervision, plan and estimate of projects using several software: ETABS, SAP2000, Revit, AutoCAD and MS office. Studying master of structure and concrete technology which help me to develop and manage schedule, cost, risk, scope management plan and improve my civil engineering skills.

EDUCATION

Master degree in Civil Engineering. 2019-2021

(Specialist in Science Structural Engineering) University Science Malaysia (USM). Graduate with (GPA) **3.64 / 4.00** with honor degree.

Thesis title:

strength performance of high strength concrete containing fly ash and silica fume under cyclic exposure conditions.

Bachelor degree in Civil Engineering. 2013-2018

Najran University (NU) (Saudi Arabia). Graduate with (GPA) **4.56 / 5.00** with honor degree.

WORK EXPERIENCE

1) Photo Cad Group for engineering, constructing, consulting and oilfield Services. 2021 – Present

a) Technical Office Engineer

Responsibility:

- Create Schedule Plan and Cost Plan.
- Use computer software's (ETABS, Revit, SAP2000), to perform structural analysis and design.
- Prepare the necessary reports for all design stages.
- Analyzed structures and designed reinforcement elements and provided final drawings.
- Coordinate with the Architectural Engineers and MEP Department during the review of shop drawings.
- Provide technical solutions to structural problems that impede the construction works.
- performed engineering calculations for materials quantities.
- Order materials needed for the project and always keeping the project budget in mind.
- Estimating quantities, costs and time scales for material and labor.
- Verified construction documentation to meet client requirements and vision.
- Preparation of cost estimates for various project packages.
- Ensure that the contractor shop drawings comply with the project specifications and authority approved drawings.

b) Site & Executive Engineer

Responsibility:

- Follow-up the site construction activities with clients, contractor and subcontractors.
- Supervision of installation and construction of foundation, Columns, Slab, Core, stairs etc.
- Manage the contracting of finishes such as Brick works, Plaster, Painting and cladding works.
- Supervise the site activities, implement QA / QC procedures.
- Preparing reports, calculating quantities, sample and testing of materials.
- Project structural design and analysis and prepare shop drawings.
- Coordinate and liaising with contractors, suppliers, clients, consultants and project manager.

- Prepare weekly reports, communicate with and deliver presentations to project manager.
- Coordinate with Client/ Consultant's representatives for any site instructions and inspection of works.
- Ensure that all site works are done according to all applicable quality standards.
- Directly responsible for the safety of all civil group's personnel of the project.
- Estimate, prepare and assign the resources such as manpower, materials, consumables, equipment, tools, etc., required for all civil works prior to execution.

2) **Hydraulic Lab engineer in the Faculty of Civil Engineering.** 2018 - 2019

Worked after graduation at the Civil Engineering labs at Najran University as a supervisor engineer of the laboratory and preparing experiments.

Responsibility:

- Operate various laboratory equipment such as flow meters, pressure sensors, and hydraulic pumps.
- Develop new experiments related to hydraulic behavior in open channels and hydraulic structures.
- Prepare technical reports, presentations, and proposals summarizing laboratory findings.
- Manage the daily operations of the hydraulic laboratory, including maintenance and safety procedures.
- Overall, my hydraulic lab experience was an invaluable part of my education and helped me prepare for a career in the field of Civil Engineering.

TRAINEE STRUCTURAL ENGINEER

1) **ABV Rock Group - Riyadh Saudi Arabia.** 2017-2018

- prepared drawings and designing plans.
- Preparation of tender and project documents.
- Generally responsible for implementations of all civil works at site.
- Compiling reports and delivering presentations to supervisor.
- Attends progress and co-ordination meetings to assist the managers in resolving any site issues.
- Assisted senior engineers with clerical duties to keep department functioning and workflows running smoothly.

SCIENTIFIC CONTRIBUTIONS

- publication of the paper strength performance of high strength concrete containing fly ash and silica fume under cyclic exposure conditions (under review).
- Participation at 2nd International Conference on Imaging, Signal Processing and Communication July 20-22, 2018 - Kuala Lumpur, Malaysia.
- Certificate of Appreciation from Faculty of Engineering, Najran University in order of graduation with honor degree.

VOLUNTARY ENGINEER

- Checking technical designs and drawings to ensure that they are followed correctly.
- providing technical advice and solving problems on site.
- preparing site reports and filling in other paperwork.

COURSES AND SELF-IMPROVING

- Project Management Professional (PMP) Exam Preparation.
- Oracle Primavera P6 Diploma.
- Autodesk Robot Structural Analysis Diploma.

ENGINEERING SOFTWARE AND COMPUTER SKILLS

- AutoCAD
- CSI Software: ETABS, SAP2000
- Microsoft office
- Robot Structural Analysis Professional
- Autodesk Revit Structural
- photoshop

SOFT SKILLS

- Problem solving.
- Critical Thinking.
- Time Management.
- Communication Skills
- Collaboration and team working.

LANGUAGES

- Arabic (Native)
- English (Fluent)