

Adlan Abd Alhalim Ibrahim Alhaj

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Mechanical Engineer

PERSONAL DETAILS:

Date of Birth	17-3-1987
Nationality	Sudanese
National service	Released
Status	Single
Contact Address	970, Abu sied, Block18, Omdurman, Khartoum, Sudan.

PROFILE

- Good team work spirit, interact productively with people from diverse backgrounds, perform high quality work and complete it in time, able to work at any site condition and ability to work under high pressure.
- Professional attitude throughout work time and towards colleagues.
- Ability to learn quickly, process and address opinions professionally.
- Taking initiative with a general problem-solving mindset.
- Experience in dealing with people from different nationality and background.
- Always putting the safety of workers as a priority.
- Always thinking about how to improve the work environment, and the work methodology.
- Flexibility in Implementing work guidance procedures and proven work methods.

QUALIFICATIONS

December 2010

University of Khartoum - Faculty of Engineering and Architecture

Degree of Bachelor of Science (Honours) in Mechanical engineering.

ENGINEERING RESEARCH PROJECTS

1. Experimental Study for Comparing Three Flow Meters (Graduation Thesis).
2. Mechanical Auger Design Project (mechanical design project, 5th year).

EXPERIENCE

Petroneeds Petroleum Services –Sudan

from 23-3-2011 to 23-4-2011

Petroneeds Petroleum Services is a private company. Their main activities are in drilling and construction of oil & gas piping/pipeline and water wells. They have many drilling rigs across the production field. I worked with them as a trainee engineer in one of their drilling rigs. My main activity was to maintain equipment and machinery working properly and to follow the maintenance schedules.

Position: Mechanical Engineer Trainee.

Duties & Responsibility:

- Providing assistance to the supervisor by preparing daily plan and activities.
- Filling out daily maintenance reports.

- Supervising scheduled maintenance of Heavy-Duty Machines and Trucks.
- Maintenance of the Drilling Rig equipment and Machines parts.
- Preparing and review the records of stocked spare parts.

Golden Arrow CO.LTD

from 10-10-2011 to 10-12-2011.

The company has a long history in selling and in maintenance/repair automobiles in Sudan. Particularly, Toyota brand. I had worked there as a maintenance trainee, where I had been trained in mechanical, electrical and electronics aspects of different automobile models.

Position: Maintenance Engineer Trainee.

Duties & Responsibility:

- Learning how to perform in a safe way mechanical, electrical, and electronics maintenance/repair on automobile.
- Assisting technicians to assess the maintenance/repair of a damaged car.
- Helping technicians organize and work the maintenance operation on time.
- Learning how to perform the general procedure of dismantle/reassemble car mechanical, electrical and electronics parts and components.
- Learning how to conduct computerized faulty troubleshooting of the Engine Control Unit (ECU) and report the feedback under direct supervision.
- Learning how to perform dismantle/reassemble Engine block, Gearbox. In addition, overhaul repairs.
- Assisting deliver repaired Cars on time.

NAMA Company for Piles

from 21-12-2012 to 28-2-2013.

The company's main working area is in civil construction. They have several Heavy-Duty drillers working in drilling piles for buildings foundations. A pump

installation project was awarded to the company in Block 6 FPF (oil and gas production field) where I worked there as a construction engineer.

Position: Construction Engineer.

Duties & Responsibilities:

- Supervising the construction activity according to the Drawings and Specifications.
- Preparing the foundation for the construction activities.
- Communicating with the Consultant of the project and resolve any issue in between.

China Petroleum Engineering & Construction Corp. (CPECC)

from 1-6-2013 to 31-5-2016.

The company is well known internationally. They have over 20 branches around the world. Their activities include but not limited to: engineering, construction testing and commissioning of varies oil & gas facilities, from well piping/ pipeline, OGM, FPF, CPF, tanks, mechanical packages, to instrumentation and their integration to the system and electrical work. During my contract I had worked in the Construction Dept. as a Mechanical Engineer, supervising sub-contractor's construction work from planning, foundation work, fabrication, installation, to testing, pre-commissioning and commissioning, ultimately, to get Mechanical Completion Certificate. Moreover, I have learned how to read through Codes, Standards and Client Specifications effectively for information-specific search to deal with issues I had encountered. Have I also gained considerable soft skills experience, particularly how to communicate and coordinate between the Consultant, Sub-contractors and the Client. Here are some of my duties.

Position: Mechanical Engineer.**Duties & Responsibilities:**

- Ensuring the work is delivered in a safe, systematic methodical and reliable manner.
- Ensuring the construction activities compliance with the Client safety procedures, HSE standards and regulations.
- Supervising sub-contractor activities of construction, ensuring the work is performed on schedule and in accordance to quality and safety requirements.
- Ensuring the construction stages follow Scope of Work, Drawings, Procedures, Specifications, Codes, applicable Engineering Standards and Regulations, to meet project schedule and compilation date.
- Making sure availability of latest Drawings, Documents, plans, Materials, tools to complete tasks within timeline.
- Coordinating with Client Representatives to confirm construction stages completion, testing and commissioning time.
- Preparing schedules of changed tasks and activities, under guidance of Construction Supervisor to use resources efficiently.
- Resolving problems encountered at site, monitoring construction progress compliance with procedures and proven work methods.
- Reporting daily progress and any technical issues to Construction Supervisor.
- Monitoring and reporting daily manpower and equipment distribution under the Field Surface Facilities (FSF) project.
- Calculating projects Materials according to Drawings & Data Sheets, handling and approving Material Requests from Sub-contractor.
- Inspecting constructed facilities to ensure Mechanical Completion prior commissioning and performance testing.

- Arranging maintenance and repair contracts scheduling and managing designated team effectively.
 - Working with other Departments to process tasks efficiently including Documentation, Warehouse Material Inspection and approval Reports.
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Freelancing and Volunteering:

Since my last contract expired, and with the difficult situations my country has faced, which affected political and economic stability, I have struggled to secure a full job in my field. Therefore I have been forced to accept the situation, and tried to be creative in order fulfil my interests and learning new skills, hence I accepted several freelancing offers including:

- Translating one scientific article from Arabic to English language for the Sudanese Researchers Initiative (a very famous facebook group for sharing research and universities' applications and experiences).
- Thesis and scientific papers proofreading and recommendations for undergraduates of the University of Khartoum, School of Mathematics, while I was a Higher Diploma in Mathematics program student.
- Worked as part of Treatment Planning System research project group, one of the goals is to develop and customize a software used to model Radiotherapy treatment based on the open source 3DSlicer. The project now is pending due to current circumstances of the country.

Volunteer Activities:

Helped organized and coordinated the residents of my neighborhood during the infamous Bread Crisis in 2021

- Part of my duties were to build database of my neighborhood residents.
- Issuing ID cards emphasizing the house number to collect the daily share by individual.
- Supervising the process of bread making, and make sure it is sufficient to the whole neighborhood daily share.

SKILLS AND INTERESTS

Software:

➤ **MS Office package (Word, Excel, and PowerPoint).**

I am proficient in using MS Office Package. Specially, MS Word, Excel, I did many tasks and computations related to my work using them (writing reports, using spreadsheets for material calculations).

➤ **Computer Aided design.**

I have accumulated practical experience through the years from work related and personal projects, I also have a certificate in AutoCAD 2D & 3D from SOFTSTAR training center at the University of Khartoum. In addition, I consider myself at good level using SolidWorks platform, which stemmed mostly from personal interests.

➤ **Intermediate knowledge of programming language (C++, MATLAB).**

Currently, I am still learning C++. Also I once created a GUI application using Java, interacting and displaying a result of calculations related to the optimal pipeline's trench curves, without exerting extra loads on the pipeline's welded joints which was a long standing problem at the work. (Developed it from Excel Sheet calculations I did earlier).

I have learned how to use MATLAB as part of coursework of my Higher Diploma in Mathematics. Tasks extended from simple calculations, trigonometry, matrix computations, eigenvalue and eigenvectors, data plot, ODE solvers, numerical algorithms, to programming. MATLAB proved to be indispensable tool due to its diverse features which are essential and can make the difference in a way that handling complex calculations with ease is a sign for a good researcher.

Generally, I am very comfortable in dealing with any computer related technologies and software.

Interests & Hobbies

- I love watching science, physics and cosmology documentaries. Follow latest technological trends. Interested in the conversation of how geopolitical powers and conflicts affect my country. Philosophy to some extent. Motorsports; such as Formula One and World Rally Championship, an avid FC Barcelona supporter.
- My hobbies are drawing, using pencils sometimes watercolors, listening to Mohammed Wardi (best Sudanese singer), and Rap music classical music (love Beethoven No 9), and watching movies: sci-fi at the top of the list, followed by comedy, the rest doesn't matter, Have read some sci-fi novels, but I don't read as much as I want to. In addition, playing and watching football.

Languages

English language: spoken to high level, written, reading to excellent level.

Last employer address and contact info:

CPECC

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References

Mutaz Ahmed

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Xie kun

Position: construction manager Contact

info:

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Muhammad Imran Shahzad

Position: QA/QC controller

Contact info:

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