

### **Personal Information**

Name : **Alnazeir Abdalla Mohamed Jaralnaby**  
Date of Birth : 05.08.1984  
Nationality : Sudanese  
Designation : **Drilling Rigs Electrical Engineer**  
Work Experience : 11 Years  
Contact Number : +249924510044 - +249900288310  
E-Mail : alnazeirjaro@yahoo.com

### **Professional Qualification**

: B.sc of Electrical Engineering ( Control )  
Sudan University OF Science And Technology (2008)

### **Carrier objective**

An excellent academic achiever and a qualified electrical engineer with an impressive experience in providing engineering solutions for the transmission and distribution of electric energy with specific proficiency in protection, with voltages range spanning from 11KV/33KV . With experience in wide range of substation protection systems including ABB, Siemens, Areva, Alstom and Schneider products also excellent with:-

- Design coordination at site for Electrical works, liaise with Resident Engineer, Client, and other disciplines, attend Technical discussions and Meetings to follow-up on progress of site/co-ordination problems and advise/provide alternative solutions.

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## **Experience Profile**

**From Dec 2013 Onwards :** **Petroneeds Service International ( PSI Oil & Gas Company)**

**Position held :** **Drilling Rigs Electrical Engineer**

**Responsibilities:** petroneeds services international (PSI) company as Operating and maintenance engineer to carry out all Maintenance activities urgently and preventive For the operation system

- Rendered technical drawings and electrical systems specifications that exceeded company standards.
- Performed in-depth electrical acceptance testing of completed hardware, including continuity and high potential isolation testing.
- Monitored the manufacture of electrical devices and operations to ensure compliance with safety protocols.
- Troubleshoot electrical equipment problems such as electro-valves and sensors.
- Performed load calculation for wiring and circuit protection.
- Applied principles of electrical theory to advance and improve product development and efficiency.
- Wrote protocols, qualification documents, test plans and test reports for quality assurance purposes.
- Continually improved methods and procedures for processes, measurement, documenting and work flow techniques.

## **Job Duties:**

- **AC Module**  
Is a full control device used to control of engine  
And shearing load with other engines to work parallel as substation  
I have reaper, setting, calibration it.
- **DC Module**  
Is a full control device use to controlling in silicon control rectifier (SCR) to convert current from AC to DC to supply DC load  
I have check it's function and reaper it as required.
- **AC Motors**  
Reaper control circuit & control panels & power cable and protection circuit
- **DC Motors**

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**Eng. Alnazeir Abdalla Mohamed Jaranaby**  
**Electrical engineer**

Check all component if work normally , power cable ,control panels, protection devices and reaper it as required.

➤ **Cables**

Testing for short circuit, insulation, conductivity and grounding for Power cable & control cable

➤ **Instrumentation System**

Commissioning and calibration all sensor using in drilling operation to show the drilling parameters

Speed sensor, level sensor, pressure sensor, flow sensor, weight sensor and temperature sensor

➤ **CCTV**

Commissioning and maintenance camera system with monitor

➤ **PLC S7 300**

Software & Hardware commissioning and reaper with high quality and excellent experience to find the problems and solved it quickly, designing program for most automation systems.

**From Oct 2011 to Nov 2013 : National Electricity Corporation NEC, (previous) Sudan  
Electricity Distribution Company SEDC (Now), SUDAN  
White Nile Sector – Substation (33/11)KVA Dept**

**Position held : Operation & Maintenance Engineer**

**Responsibilities**

- Handling daily events on the network. Analyzing faults and protection trips and solving problems

**Job Duties:**

- Operation & maintenance of switch gear (oil & gas) ABB & Schneider (33/11)KVA
- Relay protection of power transformer and distribution line (33/11)KVA
- Maintenance of power transformer control panel
- Maintenance of high voltage cable
- Maintenance of low voltage cable (415)V
- Maintenance of measurement devices and its control panels

**From Aug 2011 to Oct 2011 : Millennium Engineering & Contracting Co.LTD**

**Position held : Electrical Engineer**

**Responsibilities :**

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- Design coordination at site for Electrical works, liaise with Resident Engineer, Client, and other disciplines, attend Technical discussions and Meetings to follow-up on progress of site/co-ordination problems and advise/provide alternative solutions
- Inspection of all incoming materials for Electrical services to ensure that any material brought to site for installation has been given prior approval and is in strict conformance with the Contract documents. Witness sampling and testing of materials for Electrical services

**From Nov 2008 to July 2011 : Sudan University Of Science And Technology – College Of Engineering – Electrical Department**

**Position held : Teaching Assistance**

**Responsibilities :**

- Teaching Assistance to help student solves mathematic problems and review all subject as required and help them in practical experiment

**Job Duties:**

- Pneumatic lab
- PID controller lab
- PLC & Sensor & Instrumentation lab
- Digital Electronic & Analog lab
- Machine lab ( AC,DC, Synchronous )
- Power system protection lab

**Trainings Undergone:**

➤ **Oct 2015:**

PLC Software & Hardware 300/400

- Simatic S7 Programming 2 TIA
- Simatic S7 Programming 3 TIA
- Simatic S7 Service 1 TIA
- Simatic S7 Service 2 TIA
- Simatic S7 Service 3 TIA

The National Academy For Science & Skills with Siemens company Cairo Branch – Cairo

➤ **Jan 2015:**

Caterpillar Electronic Engine Control and Troubleshooting  
Sutrac Development & Learning Center (SDL) – Sudan

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**Electrical engineer**

- **Nov 2014:**  
Advanced Rigs Electrical Program ( SCR & VFD) systems  
Gulf technical and Safety Training Centre (GTSC) – Cairo
- **Oct 2014:**  
Caterpillar Diesel Engine System Basics  
Sutrac Development & Learning Center (SDL) – Sudan
- **Aug 2014:**  
Caterpillar SIS (Service Information System) & ET  
Sutrac Development & Learning Center (SDL) – Sudan
- **May 2014:**  
Caterpillar Engines Operation & maintenance  
Sutrac Development & Learning Center (SDL) - Sudan

**Skills:**

- Programming Languages: C, C++, and Assembly Language ,matlab.
- Extensive AutoCAD knowledge
- Semiconductor process system
- Skilled with analytical software
- Advanced critical thinking
- Operation system software
- System-level electrical design and integration
- Technical support
- Power systems
- Microsoft Office Word, Excel, PowerPoint
- Wiring schematics
- Work under high pressure
- Excellent self-study abilities.

**Langue :**

- Arabic (Mother tongue)
- English v. good(speak, listening, writing)

**Membership :**

Oct – 2009 – present    Sudanese Engineering Council

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**Electrical engineer**

**References :**

- **Mr.** Mustafa Hamid Hamed Mohammed  
**Rukun Al Yaqeen International LLC**  
**Senior Protection Engineer**  
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- **Mr.** Hosham Abdurrahman Mohamed  
**Petroneeds Service International ( PSI Oil & Gas)**  
**Maintenance Manager**  
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- **Dr.** Alfadel Zakaria Mohammed  
**Sudan University of Science & Technology**  
**(Assistance professor)**  
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