Muhammad Mohsin Saeed

Electrical Engineer

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PERSONAL SUMMARY:

As an electrical engineer, I have comprehensive knowledge of designing, developing and maintaining electrical systems and components to required specifications, focusing on economy, safety, reliability, quality and sustainability. Have a comprehensive understanding of electrical health and safety regulations, currently looking for a suitable electrical engineering position.

SKILLS:

* Worked on AT89C51 and Arduino uno r3 microcontrollers, DSP kit, FPGA kit, Transmission Line Trainer, Optic Fiber Trainer, Siemens, Allen Bradley PLC & Mitsubishi PLC.
* Competency in circuit design and simulation software: AutoCAD, Electronics Workbench, Multi-Sims, Proteus, Express PCB, Packet Tracer, Xilinx.
* Proficiency in Assembly, C++, MATLAB.
* Advanced skills in MS Office & MS Windows.
* Ability to troubleshoot and make decisions.
* Basic skills and knowledge of PLC controls and wiring.
* Understanding of power wiring specific to rig installations.
* Strong organizational, communication and interpersonal skills.
* The ability to perform under pressure, in a fast paced environment.
* The ability to maintain an on call rotation as outlined by department manager.
* The ability to communicate effectively with onsite personnel.
* The ability to travel and be away from home for extended periods of time.

PROFESSIONAL EXPERIENCE

Works as a Rig Electrician at Oil & Gas Development Company Limited Pakistan since Jul.12,2013 till today.

My job responsibilities are

* Rig-up and Rig-down electrical systems.
* VFD (variable frequency drives) 600/380/220 VAC 3-phase system.
* Perform daily inspections and maintenance on electrical equipment.
* Read and interpret electrical drawings to wire / repair electrical systems.
* Maintain, repair, test, and install electrical motors, generators, alternators, industrial storage batteries and

Hydraulic and pneumatic control systems.

* Carry out maintenance and repair on electrical components of drilling equipment, i.e. Driller’s console, AC

Drilling motors and auxiliaries, Top drive system, Draw works, Mud pumps etc.

* Install new equipment as required, with regards to electrical wiring, fixtures and junction boxes, etc.
* Conduct preventive maintenance programs and keep applicable records.
* Install, maintain and calibrate industrial instrumentation and related equipment.
* Assure quality control is maintained as per quality requirements.

Trainings

SIEMENS Industrial Automation System (2 weeks)

Software:

SIEMENS SIMATIC manager, WinCC flexible & WinCC explorer.

Hardware:

* SIEMENS SIMATIC System family
* Overview on PLC (LOGO,S7-200, S7-300, S7-400)
* Testing and communication PLC S7-300.
* Hardware configuration methods.
* Programming on ladder logic.
* Remote communication I/O’s and handling.
* Profibus-DP communication
* HMI designing, tag linking and communication with PLC

IT Skills

* Operating systems: MS Windows
* Programs: Office Tools , AutoCAD, Assembly, C++, MATLAB
* Internet: Very good
* PLC Programming: Ladder Diagram

Languages

* English: Fluent => read, write and speak
* Urdu: Fluent => read, write and speak
* Punjabi: Fluent => read, write and speak

EDUCATIONAL QUALIFICATIONS

B.E Electrical Engineering (4 Years Program) 2009-2013

From University of Central Punjab (UCP) Lahore-PAKISTAN

Intermediate (2 Years Program) 2007-2009

From Punjab college of science, Lahore, Pakistan.

Matriculation 2005-2007

From Government Boys ABU-AL-Khair High School Shahkot-PAKISTAN

PERSONAL INFORMATION

Father’s Name Muhammad Saeed Akhtar

Nationality Pakistani

Date of Birth 15 August 1992

N.I.C No. 35403-3237647-3

Passport No. FE5976471

References

Can be given on request