

MUHAMMAD REHAN YOUSAF

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Project Electrical Engineer | BSc Electrical Engr. Technology | Valid UAE Driving License | UAE Golden Visa

SUMMARY

Experienced Electrical Engineer with over 5 years of total working experience in the industrial automation & switchgear industry. Skilled in electrical panel design, field installation, testing & commissioning, Electric Utility, Smart Grid, Communication, and Electric Power. Strong engineering professional with a Bachelor of Engineering Technology in Electrical from Mirpur University of Science & Technology, Pakistan.

- Well versed in MS office applications and AutoCAD
- Strong Analytical, problem-solving, and decision-making skills
- Well trained in safety and security at the workplace
- Strongly commercial with excellent spoken & written communication skills
- Can work under pressure and meet deadlines
- Able to handle projects individually
- Able to understand all kinds of electrical drawings

KEY SKILLS & STRENGTHS

- Good team player
- Management skill and decision making
- Resourceful, initiative, fast learner and Hardworking
- Adapting the situation
- Good in inter personnel relations & communication skills
- Complete the targets and commitments in stipulated time

WORK EXPERIENCE

Project Engineer

mBELLAb Power Solutions LLC, Dubai | March 2017 to February 2022

- Designing, project management & testing of MV Switchgears, HV control & relay panels (line/cable feeder, transformer feeder, bus section, auxiliary transformer feeder, and capacitor bank feeder), LV switchgear, battery charger, and distribution boards for substations
- Preparation of cable sizing calculations, single line diagram, system layout, cable scheduling for various projects
- Develop and review technical specifications of control panels (GA, internal & external layouts, wiring diagrams, earthing calculations, and power consumption calculations)
- Manufacture and Testing of RTU/SIC panel at a workshop with the help of cable schedule/IO wiring, and GAD document
- Experienced in the review of switchgear drawings, C&R panel drawings, BOQ, battery charger, and FAT, SAT witnesses
- Planning, scheduling, budget estimation, and evaluate the quality of work.
- Making project reports, weekly reports and complete the projects in scheduled time
- Experienced in prepare/handle/support project documentation (functional design specification, material testing specification, system layout, E2E & P2P, FAT & SAT documents, etc.)
- Coordinate with client (SEWA) for As-Built scheme drawings, modification in the scheme, test reports submission, As-Built, cable schedule submission, and all site activities to satisfy client (SEWA)
- Maintaining of substation/residential/industrial HSE policies

Switchgear & Design Engineer

Power Electronics Pakistan Pvt. Ltd., Lahore | June 2016 to Dec 2016

Expert in manufacturing, testing and commissioning of:

- 132kV line control and line relay panel (For Fatima Energy)
- 132kV control panels, ATS/AMF panels (For MEPCO WAPDA)
- 11kV incoming, outgoing, bus bar, coupler panels (For CMH Rawalpindi)

- AC & DC auxiliary supply panels (For FESCO WAPDA)
- Power factor improvement, Star Delta, MCC panels, etc.
- Preparation of switchgear panels cabinet drawing, components, and internal wiring as per the specification and requirements of the client.

TRAINING/INTERNSHIP EXPERIENCES

Graduate Engineering Trainee

Nandipur 425MW Combined Cycle Power Plant Project, Gujranwala | January 2016 to March 2016

- Gas Turbine runs on dual fuel, HSD oil & high Sulphur fuel oil (HSFO)
- HSD & HSFO forwarding system
- Air intake auto backwash filters cleaning system (APU)
- Hot gas path boiler for heating system
- Water injection system
- Fuel oil treatment plant etc.
- Demineralized system
- CW system (open cycle & close cycle)
- 132kV Switchyard system with dual bus bar

Graduate Engineering Trainee

Mobiserve Pakistan Telecommunications (Pvt.) Ltd., Sialkot | October 2014 to September 2015

- Monitor the site activities on computer network at MSC
- Attending meeting on site issues and installation with vendor personals
- Visit BTS to monitor and troubleshoot the faults with BSS operation team
- Make a report on newly installed sites
- Make fault reports according to the network issues
- Communicate with team leader and operation team
- Prepare weekly reports of operating site according to their work condition & maintenance issues
- Preventive and corrective maintenance

Graduate Engineering Trainee

Mangla Hydel 1000MW Power Plant, Mangla | August 2013 to September 2013

- Overview of Dam
- Power and Auto transformers
- 132/220kV switchyard
- Earthing system
- Drainage & Dewatering system
- Protection relays & protection system of Hydel power plant
- Hydraulic turbines and generators
- Governors and excitation system
- 50/230V DC batteries
- Auxiliary and Emergency supply system
- Operation and maintenance of Hydel power plant
- Fire protection

EDUCATION

Bachelor of Science (Electrical Engineering Technology), Mirpur University of Science & Technology, Pakistan | 2015

Diploma of Associate Engineer (Electrical Technology), Punjab Board of Technical Education, Lahore | 2011

Matriculation (Science), Board of Intermediate & Secondary Education, Gujranwala | 2008

CERTIFICATIONS & TRAINING

- **2D & 3D Drafting Using AutoCAD**, National Institute of Design & Analysis (NIDA), Sialkot
- **Registered as "Graduate Engineering Technologist"**, National Technology Council (NTC-HEC), Pakistan
- **International English Proficiency Certificate (IELTS)**, British Council
- **UAE Driving License**, Road & Transport Authority (RTA)

- **Pakistan International Driving License, Govt. of Pakistan**

COMPUTER & IT SKILLS

- Microsoft Office (Word, Excel, Power Point)
- ACOS ET
- Proteus
- Windows Installation
- Internet Surfing

Personal Information

Languages : English, Urdu, Hindi & Punjabi
Nationality : Pakistan
Marital Status : Single
Visa Status : UAE Golden Visa (Valid till 2032)
Address : Al Barsha 1, Dubai
Notice Period : Immediately

Areas of Expertise

- Supervision of all kinds of electrical instruments installed in HT/LT/RTU/SCADA, ATS/AMF panels installation, Distribution board panels, internal wiring, and cabling, continuity test while manufacturing, and LED lights installation.
- Electrical design such as electrical lighting layout, power layout, load schedule, single line diagram, schematic design, HT and MV panel board design, etc. in AutoCAD.
- Expert in preparation of detailed engineering and As-Built drawings, SOP/MTS/FDS/BOQ and other engineering documents as per the client's requirement.
- Preventive and corrective maintenance of Telecommunication sites.
- Layout of Domestic and commercial construction planning design in 2D, Mechanical parts design in 2D & 3D AutoCAD, interior designing, layout of electrical wiring.
- Expert in MS Office and AutoCAD.

References

Muhammad Farhan Yousaf (Brother)
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