

## JAHANGEER KHAN

### Electronics Engineer

RIYADH, SAUDIA ARABIA

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## PROFESSIONAL SUMMARY

Electrical Design and Drafting Engineer with expertise in power distribution, lighting design, grounding systems, cable sizing, and electrical equipment selection. Proficient in preparing SLDs, wiring diagrams, panel schedules, BOQs, and as-built drawings using AutoCAD, Revit, ETAP, and Dialux. Adept at coordinating with multidisciplinary teams, performing design calculations, and ensuring compliance with international standards such as NEC, IEC, and NFPA.

## Total Gulf Experience 9 years

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## CORE SKILLS

- Planning power distribution systems
  - Designing lighting layouts
  - Selecting electrical equipment (switchgear, breakers, cables, etc.)
  - Ensuring safety according to electrical codes (DEWA, NEC, IEC, etc.)
  - Creating load calculations and panel schedules
  - Integrating control systems, fire alarms, communication networks,
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## WORK EXPERIENCE ELECTRICAL DESIGN Engineer – [THE THOUGHT FACTORY] – [DUBAI] [2019 – 2024]

- Designing **power distribution systems** (LV/MV/HV).
  - Preparing **load calculations**, demand factors, and transformer sizing.
  - Developing **single line diagrams (SLD)** and overall system architecture.
  - Selecting electrical equipment: breakers, switchgear, cables, UPS, generators, relays, and protection devices.
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## Electrical QA&QC Engineer [IDEA COP GENERAL TRADING LLC] – [DUBAI] [2017–2019]

- Developing and implementing **QA plans**, ITPs (Inspection & Test Plans), and quality procedures.
- Ensuring all electrical works comply with **project specifications, drawings, codes (NEC/IEC/NFPA), and QA standards.**
- Conducting **material inspections**, verifying certificates, and ensuring approved vendor lists.
- Panel installation (MDB, SMDB, DB, MCC)
- Earthing & bonding systems
- Lighting and power systems
- Fire alarm, CCTV, BMS, and low-voltage systems
- Coordinating with consultants/clients for **RFI, MIR, WIR approvals.**
- Conducting **pre-commissioning and commissioning tests.**

### **Saudi Binladen Group (2014 to 2015)**

- Planning and executing **preventive maintenance (PM)** schedules for electrical equipment.
- Performing predictive maintenance using **IR thermography, vibration analysis, and load monitoring.**
- Inspecting electrical panels, transformers, MCCs, switchgear, DBs, SMDBs, and motors to avoid downtime.

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### **EDUCATION Bachelor of Engineering (B.TECH.) In Electronic & COMMUNICATION Engineering**

[RAJASTHAN TECHNICAL UNIVERSITY KOTA] – [2013]

**Saudi Conceal Approved**

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### **CERTIFICATIONS (Optional)**

- ELECTRICAL DESIGNING
- ELV DESIGNING
- QA& QC ENGINEER
- MEP
- AUTO CADD
- ETAP
- E-PLAN

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### **PROJECTS (Optional)**

- Upgrade of relay-based control system to PLC-based automation.
- Reduction of machine downtime through preventive maintenance scheduling.
- 10 Story building Electrical design and drafting.

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### **LANGUAGES**

- English
- ARABIC & HINDI