

SHAZALI HASSAN
ELECTRICAL ENGINEER

Dubai, United Arab Emirates • sh_dl@hotmail.com • +971507470829 • [Linkedin Profile](#)

Summary

Electrical Engineer with hands-on experience in MEP systems. Skilled in the design and integration of HVAC, plumbing, and electrical systems for complex building projects. Strong problem-solving skills with a focus on troubleshooting, optimizing system performance, and enhancing energy efficiency. Skilled in programming languages including Python, JavaScript, and C programming. Knowledgeable in Building Management Systems (BMS) and protocols such as BACnet, Modbus, and MQTT. Familiar with SkySpark and Axon scripting for building automation and data analytics. Eager to contribute to energy-efficient and automated solutions that improve system functionality and sustainability.

Skills

Technical Skills

- Automation & Data Analytics: Axon scripting (basic knowledge), SkySpark (basic knowledge), Haystack tagging, Data Modeling
- Protocols: Familiar with BACnet, Modbus, MQTT, and other building automation protocols (theoretical knowledge)
- Programming: Python, JavaScript, C programming
- Design & Engineering: HAP, AutoCAD, DialuxEvo
- Software: Microsoft Office
- Languages: English (fluent), Arabic (fluent)

Soft Skills

Team collaboration | Attention to detail | Problem-solving | High workload endurance | Adaptability | Fast learner | Effective communication

PROFESSIONAL EXPERIENCE

MF GROUP

Dubai, UAE

MEP Engineer

April 2024 - December 2024

- Designing and preparing shop drawing for Electrical, HVAC, Plumbing (Water supply & Drainage) services as per DEWA's regulations
- Prepare documents, reports to get the approval from DEWA, DCD, DDA and other Government departments.
- Review contractor's construction schedule during the progress of site works with regards to MEP services.

- Prepare plans, details, specification and cost estimation of Electrical, plumbing, heating, ventilating, air conditioning and general piping system.
- submit various documents regarding the work to the consultant varying from material submittals to WIR.
- Ensure that the material received is up to standards and consultant's requirements.
- Analyze all systems and equipment when necessary to find inefficiencies or malfunctions and create solutions to optimize performance and increase the efficiency of operation.
- Assist the Project manager of any technical aspects of the MEP services that may affect construction progress, e.g., quality or snagging.

**KONE
FIELD SERVICE ENGINEER**

**Khartoum, Sudan
August 2022 - April 2023**

- Executed scheduled maintenance and troubleshooting on elevators/escalators, ensuring optimal functionality.
- Enhanced elevator systems through precise tests, adjustments, and repairs.
- Proactively prevented breakdowns via timely maintenance tasks and replacements.
- Led a team to remarkable achievements, reducing maintenance time by 30%, enhancing operational efficiency, and decreasing downtime, resulting in a promotion to team leader. Collaborated on installations, upgrading equipment with technical prowess.
- Assisted in integrating elevators with building automation systems, ensuring seamless communication and operational efficiency.

EDUCATION

**Sudan University of Science and Technology
Bachelor's Degree Honors in Electrical Engineering**

Khartoum, Sudan

Courses

- **MEP Systems Course (BMS included)**
- **Programming Courses: C Programming, Python, JavaScript, React, Node.js**