

Muhammad Hashim

Senior Electrical Engineer

📍 Cairo
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Summary

Electrical Engineer with over 4 years of experience in elevator systems maintenance, commissioning, and control panel design for elevator systems. Proficient in troubleshooting electrical faults for various elevator systems. In addition to designing and troubleshooting Industrial automation systems, including PLC programming, and motor drive systems. Seeking to contribute technical expertise and continuous improvement mindset in a dynamic engineering environment.

Work experience

Maintenance Engineer

Egypt Gulf for Elevators and Escalators (EGGEEC)

📅 1/12/2023 - Present

📍 Heliopolis Chemical Industries (Military Factory 81), Cairo - Bilbeis Desert Road, Obour City
(Location: 30.1949N, 31.4244E)

- Conduct scheduled and preventive maintenance for various elevator systems to maximize reliability and extend product life.
- Replace damaged or expired components to ensure operational safety, and recommend upgrades if possible.
- Manage spare parts inventory and ensure cost-effective procurement of tools and equipment.
- Collaborate with engineering and project management to ensure compliance with quality and safety standards.
- Inspect, troubleshoot, and resolve mechanical and electrical faults.
- Supervise and train maintenance teams, providing technical guidance and performance feedback.
- Review electrical schematics and document maintenance activities.
- Prepare technical reports, budgets, and maintenance documentation for managements review.

Testing & Commissioning Engineer

Egypt Gulf for Elevators and Escalators (EGGEEC)

📅 1/9/2021 - 30/11/2023

📍 Heliopolis Chemical Industries (Military Factory 81), Cairo - Bilbeis Desert Road, Obour City
(Location: 30.1949N, 31.4244E)
✖️ New Administrative capital (R6)

- Supported installation and commissioning of elevator systems for 4000+ units of same Fuji product.
- Provided technical assistance and troubleshooting during installation.
- Collaborate with engineering and project management to ensure compliance with quality and safety standards.
- Ensured installations followed design guidelines and industry standards.
- Reviewed user manuals and circuit diagrams for installation accuracy.

Entry Level Maintenance Engineer

Ash-Sherif for melamine

📅 20/1/2021 - 30/7/2021

📍 Al-Khanka

- Conduct scheduled and preventive and predictive maintenance for various machines to maximize reliability and extend product life.
- Replace damaged or expired components to ensure operational safety, and recommend upgrades if possible.
- Manage spare parts inventory and ensure cost-effective procurement

Languages

Arabic

Native



English

B1



Skills

Elevator Commissioning & Troubleshooting

Including different elevator control systems

- ⌚ Local elevator systems troubleshooting
- ⌚ Fuji elevators commissioning and troubleshooting
- ⌚ Motor Drives
- ⌚ Relay Logic Control (Classic Control)
- ⌚ Basic Electronics

Industrial Automation

- ⌚ Relay Logic Control (Classic Control)
- ⌚ PLC Siemens S7 series
- ⌚ PLC Delta DVP series
- ⌚ Industrial Communication
- ⌚ HMI Siemens
- ⌚ Motor Drives
- ⌚ SCADA WinCC

Embedded Systems

- ⌚ 8-bit Microcontrollers (PIC - AVR)
- ⌚ STM32 Families

Software Tools

- ⌚ TIA portal
- ⌚ SIMATIC Manager
- ⌚ WinCC
- ⌚ Inkscape
- ⌚ AUTOCAD
- ⌚ Word
- ⌚ Excel
- ⌚ Power Point

Programming Languages

- ⌚ PLC Step7 languages (LAD & STL & SCL)
- ⌚ C/C++
- ⌚ ARM32 Assembly
- ⌚ Python

Courses & Achievements

Industrial Automation (PLC advanced)

HA Consulting Center

📅 5/4/2025 - Ongoing

📍 Al-Abbasiyah/Cairo.

Tracks:

- PLC Advanced
- Industrial Communication
- SCADA/HMI

Industrial Automation (Classic control + PLC Basic Diploma)

HA Consulting Center

📅 21/5/2021 - 15/8/2021

📍 Al-Abbasiyah/Cairo.

Tracks:

- Classic Control
- PLC (basic)
- VVVF Motor Drives

Personal Info

📍 Cairo

Mit Ghamr - Dakahliyya

🎂 22/8/1994

- of tools and equipment.
- Inspect, troubleshoot, and resolve mechanical and electrical faults.
 - Review electrical schematics and document maintenance activities.

Education

Bachelor's Degree in Electrical Engineering

 Faculty of Engineering - Mansoura University.
 2013 - 2019