

# Muhammad Hashim

## Senior Electrical Engineer

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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 of tools and equipment.

### 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
- Motor Drives
- Industrial Communication
- SCADA WinCC
- HMI Siemens

#### Embedded Systems

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

#### Software Tools

- TIA portal
- SIMATIC Manager
- 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 Group

5/4/2025 - 23/9/2025

Al-Abbasia/Cairo.

##### Tracks:

- PLC Advanced
- Industrial Communication
- SCADA/HMI

#### Industrial Automation (Classic control + PLC Basic Diploma)

##### HA Consulting Group

21/5/2021 - 15/8/2021

Al-Abbasia/Cairo.

##### Tracks:

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

### Personal Info

Mit Ghavr - Dakahliyya

22/8/1994

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

## Education

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### Bachelor's Degree in Electrical Engineering

 Faculty of Engineering - Mansoura University.

 2013 - 2019