

# Bahaa Dorgham

## Electrical Engineer

### PERSONAL INFORMATION

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**Address:** Kafr Al Zayat, Egypt (Open to Relocation).

**Mobile:** 01092822414

**E-mail:** [bhaadergham42@gmail.com](mailto:bhaadergham42@gmail.com)

**Marital status:** Single.

**Military service status:** Final Exempted.

### OBJECTIVE

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A motivated Electrical Engineer with a strong foundation in Electrical Power System Distribution and hands-on experience in hospital construction projects. Skilled in both site execution and technical office work, committed to delivering high-quality electrical systems while ensuring compliance with standards and safety requirements. Dedicated to continuous learning and contributing effectively to organizational success.

### EDUCATION

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#### **Bachelor's degree of Electrical Power and Machines Engineering 2019 – 2024**

- **University:** Faculty of Engineering, Tanta University - Egypt.

- **Overall Grade:** Very Good with honors.

- **Graduation Project Grade:** Excellent.

Title: Evaluation of DC Micro-grid Performance with Various Energy Storage Systems

### Work Experience

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#### **• Electrical Executive Engineer - Al Tabarak Company | Jan 2025 – Present**

Projects:

##### **• Air Force Specialized Hospital Extension – New Cairo**

- Supervise execution of electrical works including power, lighting, earthing, and low current systems.
- Supervised all electrical installation stages (First, Second, and Third Fix), ensuring proper routing, wiring, and final testing according to project specifications.
- Ensure implementation according to design drawings, specifications, and safety standards.
- Coordinate with consultants and other trades (mechanical, civil, finishing) to solve site issues.
- Prepare daily reports, material requests, and follow up subcontractors' work progress.
- Assist in inspection requests (IRs) and handing-over procedures.
- Prepare subcontractors' and client interim payment certificates (IPC) / invoices.
- Manage quantity surveying, progress reports, and material submittals.
- Lead a team of electricians and technicians to ensure timely and high-quality project delivery.

##### **• El-Galaa Teaching Hospital Development Project – Cairo**

- Served as the Electrical Executive Engineer responsible for all electrical works.
- Managed quantity surveying, shop drawings, material requests, and interim payment certificates.
- Supervised execution and testing of electrical systems, including main panels and distribution boards.

- Coordinated with project management and consultants to ensure compliance with standards and timely delivery.

• **Electrical Technical Office & Executive Engineer at Shiba Company | Aug 2024 – Jan 2025**

Projects:

- Residential Complex (18 Buildings) – Standard Housing Project
- Luxury Residential Project (6 High-End Buildings)

Responsibilities:

**Technical Office (Shop Drawings & BOQ):**

- Prepared detailed shop drawings for electrical installations, including conduits, outlets, junction boxes, and distribution panels.
- Performed quantity surveying (QS) for electrical materials such as PVC conduits, outlets, and boxes.
- Submitted shop drawings and technical documents to the consultant for approval.
- Coordinated with procurement and site teams to ensure material availability and timely delivery.

**Site Execution:**

- Responsible for complete execution of electrical works from initial installation to final handover (turnkey delivery).
- Supervised all site installation stages (First, Second, and Third Fix) including conduits, wiring, panels, and lighting fixtures.
- Monitored site progress, submitted inspection requests (RFIs), and ensured compliance with drawings and project specifications.
- Collaborated with consultants and other disciplines to solve site conflicts and maintain adherence to project schedules.

**Internships & Trainings**

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▪ **Distribution Diploma Dar Al-Kahrbaa Training Center | July 2023 – Sep 2023 (Round 17).**

(Electric Design, Shop Drawing & Tendering)

- Lighting Systems.
- Power Systems.
- Panel Schedule.
- Bulk Equipment.
- Voltage Drop Analysis & Short Circuit Calculations.
- Earthing & Lightning Protection.
- Light Current Systems.
- Panel Building.

• **Electrical Distribution Diploma (Jul 2024 – Sep 2024)**

- Power Distribution & Load Calculation

• **South Delta Electricity Distribution Company (July & August 2022)**

- Gained hands-on experience in power distribution systems.
- Studied electrical network components (medium & low voltage)

• **Cairo Oil Refining Company (Aug 2022)**

- Observed industrial electrical systems and power management.
- Learned about electrical maintenance in large-scale projects.

## **LANGUAGES**

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- Arabic (Native).
- English. (Very Good)

## **SOFTWARE SKILLS**

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- AutoCAD.
- Dialux.
- Dialux evo.
- ETAP.
- Microsoft Office (Word, Excel, PowerPoint).
- MATLAB (Simulink).

## **SOFT SKILLS**

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- Fast learner.
- Time management.
- Teamwork and collaboration.
- Problem solving.
- Leadership.
- Self-study.