Adham Emadeldin

WordPress Website Designer · Electrical Engineer

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SUMMARY

WordPress website designer with six years of professional experience as an electrical engineer. I design and build clear, responsive WordPress websites for small businesses and professionals, and bring an engineer's habits to every project: understand the requirements, plan the structure, and deliver something that works. My background also includes electrical design and tendering for water and wastewater treatment plants, maintenance management, Arabic writing and editing, technical teaching and practical data analysis.

WORDPRESS & WEB

Personal portfolio website

2026

Independent project · WordPress, Astra, block editor, custom CSS

- Planned, designed and built a one-page portfolio site: brand palette and logo, responsive layout, accordion content structure and a project grid.
- Added a brand-matched dark mode, scroll and interaction effects, and accessibility details such as keyboard focus states and reduced-motion support, using AI-assisted development for custom code.

Focus areas	Responsive website design · Visual customization · Content organization · Basic on-page SEO
Tools	WordPress · Astra theme · Block editor (Gutenberg) · Custom CSS · LocalWP

ENGINEERING EXPERIENCE

Tendering Engineer

Mar 2025 – Aug 2026

The Arab Contractors

- Prepared and reviewed BOQs, quantity take-offs, price analyses and technical and financial proposals for the electrical works of water and wastewater treatment projects.
- Produced the electrical design for projects that required it: transformers, generators, lighting, cables, control and instrumentation, earthing and lightning protection, and electrical panels.

Maintenance Department Manager

Jan 2022 – Feb 2025

Specialized Engineering Contracting Company (SECC)

- Led a team of 10–12 across multiple sites in electrical and mechanical maintenance, running preventive, periodic and emergency maintenance programs.
- Reduced maintenance spending through budget control and supplier coordination; the savings were recognized by the company with a reward.
- Analyzed maintenance and operational data in Excel to report on cost and performance and find improvements.

Maintenance Electrical Engineer

Apr 2021 – Dec 2021

Specialized Engineering Contracting Company (SECC)

- Performed electrical and electronic troubleshooting and preventive and emergency maintenance on machinery and equipment.

Site Electrical Engineer

Mar 2020 – Mar 2021

Samcrete Engineers & Contractors

- Supervised low-voltage, panel, BMS, fire alarm, earthing and UPS installations and coordinated subcontractors on site.

WRITING, EDITING & TEACHING

- Published two Arabic poetry collections: *In a Love That Pleases You* (2016) and *The Last Man in Granada* (2025).
- Arabic proofreading and editing; website, marketing and technical content.
- Delivered classes on Electrical Power Distribution Fundamentals, and tutored Mechanics, Physics and Mathematics for engineering and high school students.

DATA ANALYSIS

- Turned maintenance and operational data into cost, budget and performance reports in Microsoft Excel (advanced).
- Self-taught: Power BI, SQL, Python and Google Sheets.

SKILLS

Electrical design	Load calculations · LV distribution · Single-line diagrams · Cable sizing & schedules · Lighting design · Earthing & lightning protection · Transformer & generator sizing · MCCs · Control systems & instrumentation
Tendering & estimating	BOQ preparation & review · Quantity take-offs · Price analysis · Technical specifications review · Technical & financial proposals
Office & design tools	AutoCAD (Advanced) · Microsoft Excel (Advanced) · Word (Advanced) · PowerPoint (Intermediate) · AI tools
Professional	Analytical & structured thinking · Problem-solving · Leadership & people management · Continuous learning

EDUCATION

Bachelor of Electrical Engineering — Marg High Institute for Engineering and Modern Technology (MIE) May 2018

LANGUAGES

Arabic (Native) · English (B2, Upper Intermediate) · French (A2)