

MOHAMED IMAD ELDIN

ELECTRICAL ENGINEER



Summary

Electrical Engineer with Four years of experience in designing, developing, and implementing electrical systems and components. Proficient in [circuit design, PLC programming, CAD software]. Adept at troubleshooting and optimizing electrical systems to enhance efficiency and reliability. Strong background in construction and renewable energy, manufacturing, or telecommunications. Proven ability to lead projects from concept through completion, collaborating with cross-functional teams to deliver high-quality solutions on time and within budget. Passionate about staying current with industry trends and committed to continuous professional development.

Contact Info

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Educational Background



Bachelor's Degree in Electrical Engineering, Control Systems Specialization
Omdurman Islamic University, Faculty of Engineering Sciences



Graduation Year: 2021
Graduation Project: Building Management System (Awarded Best Project in Engineer's Week)

Work Experience



PROJECT DEVELOPER RYADH
HONA ANA 2023/10 _ until now

oversee the development and launch of digital platforms, coordinating between teams, setting project timelines, managing resources, and ensuring the project meets its goals. I also handle risk management, stakeholder communication, and monitor the project's progress to ensure successful delivery.



Marketing Manager RYADH
RAGMI 2023/10 _ until now

I develop and execute marketing strategies to boost online presence and engagement. I oversee campaigns across social media, email, and other digital channels, analyze performance metrics, manage budgets, and collaborate with creative teams to ensure the brand message is consistent and impactful. My role also involves staying updated on market trends and adjusting strategies to maximize ROI.



Electrical engineer
East consulting engineering Center
JEDDAH
2022-2023

Worked under the supervision of A east Consultancy Engineering center, coordinating with engineers to manage and execute all electrical works across three sites in Jeddah.



Electrical engineer
Al-babtain
JEDDAH & Riyadh 2023

As an electrical engineer on construction sites, I install, and maintain electrical systems, ensuring they meet safety standards and integrate smoothly with overall construction.



Electrical engineer JEDDAH 2022-2023
Tatweer Buildings Company

I have worked on developing systems, providing proposals, and implementing detailed explanations. My role involved enhancing existing systems, suggesting improvements, and ensuring that all updates were clearly explained and effectively applied.



Maintenance engineer KHARTOUM 2020
Pasgianos FACTORY

During my training, I performed maintenance tasks, including troubleshooting, repairing equipment, and ensuring systems operated smoothly and efficiently.



Electrical engineer
AL HOKAIR GROUP ALBAHA 2015

In operating and maintaining electrical games, I handle setup, regular inspections, troubleshooting, and repairs. My tasks ensure that games function properly, safety standards are met, and any issues are promptly addressed to keep equipment in optimal condition.



Volunteer Work KHARTOUM 2015 _ 2018

In organizing entrepreneurial events, I manage logistics, coordinate with speakers and participants, oversee venue setup, and ensure smooth event execution. My role includes planning schedules, handling registrations, and addressing any issues that arise to ensure the event runs successfully and meets its objectives.

Skills:

- Electrical Design & Planning:** Skilled in creating detailed electrical designs and plans using AutoCAD, including calculating the required load capacities for various projects.
- Automation & Control Systems:** Proficient in configuring, troubleshooting, and maintaining automated control systems to optimize industrial operations.
- Security & Monitoring Solutions:** Experienced in designing and setting up comprehensive security networks, such as camera surveillance and monitoring systems, to ensure safety.
- Smart Building Solutions:** Expertise in implementing smart building technologies, integrating systems to automate building functions and improve energy efficiency.
- Safety & Communication Infrastructure:** Competent in setting up safety systems, such as fire alarms, as well as establishing reliable communication networks for data and voice transmission.

Technical Proficiency:

- Building Management Systems (BMS) & Automation
- Fire Alarm Systems
- CCTV Surveillance Systems
- Sensor Systems
- PLC Systems (Programmable Logic Controllers)
- Data & Telephone Systems
- public address system
- Load Calculation Expertise

Programming and Scripting:

- Ability to write and understand code/scripts used in BMS software.

Problem-Solving Skills:

- Aptitude for troubleshooting and resolving technical issues efficiently.

Project Management:

- Experience managing projects, including planning, execution, and monitoring.

Analytical Skills:

- Ability to analyze data and system

creative skills :

- Creative Problem-Solving:** Skilled at developing innovative solutions to complex challenges and thinking outside the box.
- Content Creation:** Proficient in producing engaging content for social media, blogs, and marketing campaigns.
- Graphic Design:** Experienced in using design software to create visual materials, such as Adobe Photoshop and Illustrator.
- Storytelling:** Ability to craft compelling narratives for presentations, branding, and marketing strategies.
- Video Editing :** Proficient in editing videos to create appealing multimedia content for various platforms.

ADDITIONAL INFORMATION

Formed and led a team called "Smart Sense," dedicated to developing and executing innovative ideas, with the goal of evolving into an independent company in the near future.



SMART SENSE

PROJECTS

- Design and implementation of a control and protection system for smart homes
- Electric Bell Development Project in Jeddah Schools I work ed on putting a system in the autonomous school bells
- Development of automatic translation screen in Riyadh mosques
- I worked carefully to understand the Arabic language inside the mosques and the Friday sermon for non-Arabic speakers
- Cork cutter by machine reprogrammed BY PLC in AL-BAHAH

I worked to facilitate the process of manual cutting into a process of automation



All references for all entities are available upon request.

INTEREST

1. **E-sports and Competitive Gaming:** Actively involved in the e-sports community as a founder and leader.
2. **Digital Marketing and Social Media:** Passionate about developing and implementing digital marketing strategies.
3. **Engineering and Technology:** Enthusiastic about electrical engineering, automation, and smart systems.
4. **Event Planning and Public Engagement:** Experienced in organizing events and participating in community outreach.
5. **Web Development and Digital Solutions:** Interested in creating websites and digital platforms for significant events.
6. **Reading and Cultural Events:** Enjoys attending book fairs and cultural events to stay informed and connected.

Personal Information

- Valid Residency Permit: Until June 2026
- Engineer Accreditation: Expected from the Engineering Authority in 2026
- Driver's License: In process

CERTIFICATES AND COURSES

1. National Strategic Planning:

• Expertise in developing and executing national strategic plans, with a focus on environmental analysis, long-term goal setting, and policy development to drive sustainable development.

2. Microcontroller:

• Advanced skills in programming and utilizing microcontrollers to develop automated control systems and enhance the operational efficiency of electronic devices.

3. Classic Control:

• Proficiency in the principles of classical control systems within electrical and industrial applications, including the design and implementation of control solutions to ensure operational stability and efficiency.

4. PLC Advanced (Programmable Logic Controller):

• Advanced capability in programming and configuring Programmable Logic Controllers (PLC) to design and manage complex, efficient automation systems tailored to industry needs.

5. Variable Speed Drives (VSDs):

• High proficiency in designing and implementing motor speed control systems using Variable Speed Drives (VSDs) to optimize energy efficiency and reduce operational costs.

6. Human-Machine Interface (HMI) & SCADA :

• Expertise in developing advanced Human-Machine Interfaces (HMI) and managing Supervisory Control and Data Acquisition (SCADA) systems to ensure precise and continuous industrial process control.

7. TIA (Totally Integrated Automation):

• Skilled in system integration and comprehensive automation using TIA technology, enhancing operational efficiency and ensuring production continuity.

8. Sensors and Instrumentation:

• In-depth understanding of sensor and instrumentation technologies for measurement and control, with the ability to integrate these into systems to achieve the highest levels of accuracy and performance.

9. Electrical Installation & AutoCAD:

• Practical experience in the design and implementation of electrical installations using AutoCAD, with the ability to develop precise electrical schematics in compliance with international standards.

10. Firefighting & Fire Alarm:

• Comprehensive training in the design and installation of firefighting and fire alarm systems, with a focus on ensuring compliance with safety standards and providing optimal protection for facilities.

MOHAMED EMAD AL-DEAN

محمد عماد الدين عبدالله