

**Mays AlSabbagh**  
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## **OBJECTIVE**

Seeking an employment for a prominent consulting firm, utilizing my education, and past work experience, looking to become a viable asset to my new employer, consistently strive to meet and exceed any and all challenges. I am very eager to grasp and command new experiences and looking forward for an opportunity to illustrate my capabilities.

**\*Authorized to work in the United States, Able to start immediately.**

## **SKILLS**

1. Dependable, work with minimal supervision.
2. Highly proficient in the use of AutoCAD, Revit MEP & COMcheck software, and engineering modeling tools.
3. Reliable, detail oriented, energetic, hard worker, innovative, and efficient.
4. Ability to meet fast-paced deadlines while maintaining quality design.
5. Willing to seek knowledge from superiors, excellent organization skills & Good verbal and written communication skills.
6. Overall computer literacy, especially Microsoft Office & other professional editor programs such as Adobe Acrobat and Blue beam.
7. Excellent knowledge in various Codes & Standards e.g. LEED, NEC, NFPA, IECC, IFC, ASHRE, Title 24 & City/County requirements.

## **NATIONAL EXPERIENCE**

### **Electrical Engineer, I.A. Naman, Houston-TX**

**April 2017 – Present**

**Worked on both New Construction & Renovation Building, alternation Jobs to comply with new Efficient energy codes, till now worked on over than 21 Projects some of which are; High Rise commercial offices, HealthCare's, Hotels.**

Starting with review the Technical specification of equipment's that provided from the Architect based on client standards. Prepare the full Construction Documents of Electrical System discipline that's not limited to: One-Line Diagram-Riser, floor plans- Lighting Design, Lighting control System, Power System, Electrical/Mechanical room set up, Sound System, Fire Alarm, Technology System, Electrical Panel Schedules, Details, legend Layout by using AutoCAD and Revit MEP. Coordination with Clients, Architect to ensure provide a high efficient service and manage electrical engineering support to the other team players and submit Electrical design that reflect client expectations., keep working on same side with other disciplines(Plumbing/Mechanical) to guarantee obtaining an accurate information and design details to last minute. Perform and review/check electrical engineering work and drawings in the analysis, design. Ensure the design and construction of all projects is completed to the relevant codes and industry standard, submit the Energy Code report of Lighting via COMcheck Manage multiple job tasks with multiple clients. Responsible for all revision that may be appears after official issuing such as, RFI & CPR documents, equipment cut sheet and sizing by Contractors and Electrical Supplier. Perform electrical calculations such as load analysis & voltage drop, Electrical selection, and Conduit sizing, Transformer Selection, Circuit Breaker sizing, Electrical feeding for both Plumbing/Mechanical.

### **Electrical Project Manager, L.T.Y. Engineers, Houston-TX**

**Dec 2015 – April 2017**

**Worked on over than 35 Projects some of which are; University of Houston-Indoor Football Practice Facility, University of Texas-Eye Center, Texas A&M-Tennis Court, Lee College-Health and Nursing Buildings.**

Perform all aspects of projects from beginning to end of the entire Electrical System, Technical design variety of sections which not limited to Lighting Design (Lighting Fixtures selection) and Lighting Controls, Power System, Sound System(PA), Security System, Fire Alarm & Technology System, assist in the production of Electrical construction documents for both New Construction or Existing Building (Expansion, Addition or Conversion & Renovation) By using AutoCAD and Revit MEP. Experience in Providing electrical engineering support to the technical department for Design problem solving. Perform and review electrical engineering work in the analysis, design, and equipment selection for electric utility infrastructure primarily focused on LV & MV, Develop and edit technical sections of proposals and assist technical authors in maintaining requirements. Check the drawings of projects. Apply design technique based on latest design codes, review photometric Analysis Report, Ensure the design and construction of all projects is completed to the relevant codes and industry standard, submit the Energy Code report of Lighting via COMcheck and provide power/protection devices for necessary equipment of both Plumbing/Mechanical equipment and units by coordinating information and design components across a Plumbing/Mechanical Engineers/Designer team to ensure deliverables are compliant with client expectations. Working on multiple projects while working with multiple groups, divisions, clients. Visit Sites, investigating existing projects and inspecting the Construction phasing. Review and Manage multiple of submittals/Shop drawings from vendors, role in RFI & CPR documents, equipment cut sheet and sizing by Contractors and Electrical Supplier. Perform electrical calculations such as load analysis & voltage drop, Electrical selection, and Conduit sizing.

### **Drafter/Designer Lab Assistant, Houston Community College, Houston-TX**

**Nov 2010 – December 2015**

Create & Design various layouts including: Schematics Diagrams, make changes into Single Line Diagram (SLD), Three-line Diagram, Electrical Wiring & Connection, & Electrical cabling layouts. Design a 3D models of Electrical Equipment, and detailed drawing of Parts with BOM, and Update old projects as necessary. Evaluate and recommend alternatives and communicate recommendations. Teaching multiple Design courses and CAD software. Teaching a Technical Drafting (Hand sketching principles) and a Basic (2D) Auto CAD. Assist/Review design projects of students and repair/Modify project to meet the school requirements. Checking the drawings of projects, create all complex Electrical Drawings on AutoCAD.

## **INTERNATIONAL EXPERIENCE**

### **Electrical Engineer, ABB Group, Jordan-Amman**

**January 2009 - August 2010**

**Educational Internship for AL-Karbala Distribution Power Substation.**

Training in LV, MV & HV Equipment of Electrical Power Distribution substation; Switchgears, Circuit breakers, Transformers, Relays, Switch Panel and Motors. Courses in transmission and distribution power and in production of standards like (ASME & ANSI). Working closely to Sales Engineers.

### **Jr. Electrical Engineer, SKYSUN Company, Jordan-Amman**

**July 2006 - January 2009**

**Worked on Electrical Design Engineering projects such as AL-Karbala Distribution Power Substation 33/11 KV, Healthcare, Educational, Commercial/Residential Design.**

Worked on Isomerization Project in Basrah Refinery-Iraq (Refinery-Chemical Power Plant) with multicultural and diversified workforce. Responsible for Design/Review & Construction Central Power Distribution Plant & Electrical Projects. Design and prepare basic data and preliminary design documentation including general arrangements, and layouts for harnesses, and equipment. Design of connection drawings, cabling and making calculations of design. Assigned to the oversight of the detail design and planning process as well as the support of the subsequent documentation at the manufacturing. Responsible for the review of all aspects of electrical design Equipment selection to meet the needs of projects. Development of the standard product line bills of material. Assist Senior Engineers development and implementation of drawing standards, solve and analyze work problems. Responsible for preparing day to day project reports such as inspection project materials and construction site test. Reviewing engineering

submittals and shop drawings. Work in development and implementation of technical products and systems. Resolve highly complex technical issues, conduct advanced research, and identify product/service innovations. Checks/modify drawings and development of one line and three line diagrams, wiring / schematic diagrams. Support of design reviews, supplier meetings, sales tools plus cost. Review and select equipment suppliers, Approve supplier's designs. Prepare/complete project documentation of equipment inspection and shipment. Responsible for monitoring of the Suppliers activities for compliance with the Contract Documents. Include: documentation of the Manufacturing process, testing inspection through daily and weekly reports.

#### **EDUCATION**

- **Certificate in Electro-Mechanical Drafting/Design Engineering, Houston Community College, Houston, TX, 2014.**
- **B.Sc. in Electrical Engineering, Al-Mustansiriya University, Iraq, Baghdad, 2006.**