

# SALIM KOZAH

S r. Electrical Engineer



## PROFILE

**Date Of Birth :** 16/06/1990

**Nationality :** Lebanese

**Address :** Rabbaya Street , Zouk Mosbeh , Lebanon



## PROFESSIONAL EXPERIENCE

**Jun 2019 - July 2020**

**Project Engineer**

**Freelancer - Kahale, Lebanon**

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**Feb 2014 - Jun 2019**

**Electrical Switchgear Design & Estimation Engineer**

**GARDELEC s.a.r.l - Beirut, Lebanon**

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**Aug 2013 - Feb 2014**

**Maintenance Engineer**

**KHONAYSSER MOTORS - Nahr El Mott, Lebanon**

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**Jul 2012 - Sep 2012**

**Internship**

**POTEL s.a.r.l - Beirut, Lebanon**

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## EDUCATION

**2008 - 2013**

**Bachelor in Electrical and Electronics Engineering**

*Notre Dame University (NDU), Zouk Mosbeh, Lebanon*

**1993 - 2008**

**Lebanese Scientific Baccalaureate (2007-2008)**

*Notre Dame De Louaize (NDL), Zouk Mosbeh, Lebanon*



## KEY SKILLS

-Coils & Solenoid operating systems , Low Voltage (LV) Electrical control system , PLC & Variable Frequency Drives programming / maintenance and repair , Switches & Circuit Breakers , Wiring Diagrams , Electrical Codes , Modbus TCP-IP/RTU , HMI , Cables Megger , Switchgears design & Implementation , Relays and Contactors Logic Control & Interlocks , Solar System Conrollers , Surge Arresters , Auto-Transformers , Motor & Soft Starters , Motorized Valves , etc...



## REFERENCES

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Mr. Mesfer Alkaabi

Kahale-Villa Owner

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**-Villa Renovation In Kahale - Lebanon With Some Of The Electrical Duties & Accomplishments:**

- Supervising & monitoring The Installation works on site(PVC conduits , internal & external decorative lighting fixtures & rewiring cables , float switches , Water Pumps , etc...).
- Installation transformer for various underwater swimming pool lighting fixtures & voltage drop calculations with respect to wire size , distance & load current to insure the correct transformer's sizing & providing the required protection.
- Installation & programming the automatic sliding gate motor opener & complete testing with videophone , beam sensor photocells , magnetic limit switches & electric lock , etc...
- Installation jets & filtration pumps for in-ground swimming pool & spa and performed GPM (Gallon per min) & TDH (Total dynamic head) calculations to insure the correct pumps sizing by taking into consideration the resistance of elevation , dips , turns , twists , coupling , valves , tee , filters , heaters , and PVC pipes , in addition to the installation of the equivalent starters & thermal pumps devices with their related electrical control components & whole system testing.
- Installation of automatic timer controller for the villa garden watering irrigation system (timer , water hose , adjustable drippers , tee joints , solenoid valves , etc...).
- Estimation , design , installation & testing of the electrical villa panelboards
- Coordination & follow up with the villa owner to put schedule & allocating work to individuals.

## CONTACT

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## SUMMARY

-Experienced Electrical Design Engineer With A Demonstrated History Of Working Background In The Electrical Engineering Field , Mainly In Switchgear Design , Estimation & Industrial Automation Systems.

-Specialist In PLC Programming , Simulation & Human Machine Interface (HMI) , Control & Instrumentation.

## CAREER OBJECTIVE

-To Be Genuinely Involved In The Challenging Assignment And To Attain A Responsible Position In An Organization That Offers Ample Opportunity To Improve My Professional Skills.

## MEMBER

Lebanese Order of Engineers

## LANGUAGES

Arabic  C2

E n g l i s h

F r e n c h

CEF:C2 = Native.

## COMPUTER SKILLS

AutoCad , Codesys , XLpro3 , Elsteel , E-design [Doc,Cat] , Control Builder Plus, CL-Soft , Eplan , Microsoft Office , C++ , Rapsody , Adobe Illustrator , Matlab , Labview , Mplab , Proteus.

## KAHALE VILLA

Project Engineer

Jun 2019 - July 2020

1 Year 1 Month



- Designed switchgear schematics according to ISO 9001 standard (Power, Control Diagrams, Implementation & Draft proposals), layouts & detailed electrical wiring drawings as per IEC requirements up to 4000 Amps for various motor control center, change over panel, main & sub distribution boards, totalizing panels, variable frequency drives, PLC, motor & soft starters, star delta & dahlender Starters, Autotransformer, fire strategy proposals, BMS, motorized ACB & MCCB control, modbus communications system, solar system controller, energy & multimeters, etc...).
- Provided support to manufacturing department in relation to inspection, testing & programming of control components, logic relays "CL range", PLC (i.e: Analog Input Mechanical Instrumentations conversion for accurate readings & monitoring on sites, I/O, flow meter, pressure & temperature, Sensors of various types).
- Commissioning, troubleshooting & testing of Low Voltage panelboards and perform the Insulation resistance / high voltage tests & Factory Acceptance Test (FAT).
- Pricing & estimation of various project according to specs & BOQ, along with creation bill of materials, quotations, material submittals, and the detailed required documentation, in addition to projects follow up with the clients.
- Worked closely with production floor personnel for any change orders in Switchboards & for As built drawings instructions.
- Attended various technical trainings & seminars (DOCWin LV electrical network calculation, Soft starter & VFD, standard IEC 61439 in practice-design verification, XL PRO3 Conception de tableaux de distribution, LV technical sessions at Legrand workshop, ISO 9001 Audit, etc...).
- Supervised a team of 3 junior design engineers in switchgear & panel design, low voltage power installation & commissioning, programming and testing PLC projects.
- Coordinated with sales and procurement department for tender preparation and project estimation according to design requirements.
- programming, Installation & Maintenance of various variable frequency drives (ABB & Schneider Brand), programmable logic controllers (ABB Brand) at different sites.
- Sizing & design electrical components, switchgears, cables, busbar, feeders, starters, Contactors, Power Supplies, Thermal Overload relays, etc...
- Familiar with Schneider, Legrand & ABB Low Voltage products.
- Provided continuous technical support to clients regarding achieved & ongoing sites projects.
- Attended meetings on site and coordination with contractors & consultants during projects execution and prepared the necessary variation & purchase order in collaboration with the sales & Tendering department.
- Accomplished Various PLC Projects "ABB AC500-eCo" Using CodeSys Software Including Modbus, Webserver, HMI & Load Management System & Testing projects on site (i.e : Pumping Stations, Totalizing Panel, Motor Control Center, Variable Frequency Drives, Ventillation system, photovoltaic control system).

**- Some of Major PLC Projects Achieved:**

- *Summerland Resort - Raouche / Lebanon [Pumps Control & Monitoring].*
- *Khoury Hospital-Zahle / Lebanon [Load Management System-Totalizing Panel].*
- *Umm Qasr Port-Train Station / Iraq [Ventillation Control System].*
- *Medawar 1200-Beirut / Lebanon [Load Management System-Totalizing Panel].*
- *Private Project / Qatar [VFD's Duty-StandBy Pump Control System].*
- *Water Treatment Station-Dbayye-EBML / Lebanon [Pumps Control & Monitoring].*
- *Audi Showroom-Dbayye / Lebanon [Load Management System].*
- *MCC Well Pumps 90 kW-Ein Ekreen / Lebanon [Motorized Electric Valves & Pump Control].*
- *Water Pumping Stations (Keserwan Area)-EBML / Lebanon [Pumps Control & Monitoring].*
- *Mozart Chahine-Jal El Dib / Lebanon [photovoltaic System & Real Time Grid monitoring].*



- Designed Totalizing Panels for synchronous generators.
- Generator's Electrical installation, Commissioning & Testing before delivery.
- Daily Follow up for projects updates & modifications.
- Performed Electrical Maintenance services as directed & reports complex or unsolved problems to the manager.



- Internship For 2 months at company POTEL s.a.r.l.(Beirut-Lebanon) as electrical site engineer at the "S & K Building 4396" project of "C.C.C." in Beirut Jnah area with main duties:
- Reviewed the quality of work being performed and checked compliance with design standards.
- Read and followed orders, schematics and drawings & follow up the as built drawings.
- Designed and implemented lighting AutoCAD drawings.