

Mohammad Allaham

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Personal Profile:

Experience professional with expertise in a variety of software systems. technically Creative ground approach to troubleshooting and problem solving. Highly organized and detail orient when it comes to project management. Designed and implement new automation methodologies. Increased productivity by streamlining and updating function. Excels at coming up with cost-and time-saving solution for testing and implementing new processes. Works well with others and keeps calm in high-stress environments. Thorough understanding of technical issues

Objective

Seeking the position of Automation Engineer and share my skills in technical language in databases .My expertise in PLC and RTU programming and Industrial Network and Communications will be very helpful in providing excellent device to the company.

Skills:

* **Highly proficient software programmer**
* **Siemens and Mitsubishi PLC Software**
* AutoCAD, HAP, Mat Lab and Lab View
* Microsoft office
* **Solution- orient and creative thinker**
* **Excels in attention to detail**
* **Motivated, enthusiastic team player and effective leader**
* **Excellent project management skills**
* **Quick learner who adapts to new technology**
* **Committed to studying and meeting the needs of business user**

Work experience:

**Control engineer at Siemens PLC**

**May 22nd, 2023- present**

**Responsibilities,**

* **Working on Remote telemetry units (RTU) A8000, AK3, AK.**
* **Using Siemens TOOLBOX II software to configure different types of RTUs from bay bay level devices such as bay controller BC 1703 , protection relayes (RET670, GRD200, 7SA86, etc) and small RTU to and from the control centre.**
* **Understanding telegram structure for IEC 61850 electrical substation protocols such as IEC 101, 104, 103 and 61850.**
* **Creating customer IO schedule.**
* **Testing different types of signals digital inputs, outputs, analouges.**
* **Working on Zenon HMI energy edition.**
* **Understanding IEC 61131-3 programming language such as function block FB, Sequential Flow Chart (SFC) and ladder logic LD.**
* **Understanding single line diagram.**

**D ec.21021 –May 22nd 2023**

**Control engineer at RSE Control and Saftronics Company, Leeds, UK**

**Responsibilities**

* **I work on 2 PLC platforms Mitsubishi GX works 2 and Siemens step 7 and TIA portal I have done two projects so far The first project is Roswell for sewage water treatment, I was responsible for reading the customer documents which are the control philosophy, customer instrument schedule and Process and instrumentation diagram Issue the functional design specifications FDS, creating the IO schedule Programming the PLC code and design HMI screens using Wincc flexible 2008 SP 3 I have done another project by using Mitsubishi GX2 works , I have done the similar tasks as I did Roswell also I designed HMI screens using GT developer**
* **Meeting and knowing the client's requirements for electrical and mechanical needs.**
* **Designing and drafting 2D and 3D blueprint drawings.**
* **Reading and interpreting the logical flow diagram.**
* **Explaining to the clients how electrical components operate.**
* **Using automation software to write PLC programs.**
* **Preparing documents to instruct the users how to use the device and other safety instructions.**
* **Testing the program using automation equipment for its reliability.**
* **Troubleshooting any faults in the system.**
* **Providing guidance and support to the Technicians.**
* **Maintaining the PLC programs.**
* **Working in coordination with Engineering and Production team.**

**February 2019-August 2019**

**Balqa University, Amman, Jordan.**

**Physics & Math Instructor**

**Responsibilities**

* **Working on committees including academic boards, governing bodies and task groups.**
* **Providing administrative support to an academic team of lecturers, tutors or teachers.**
* **Organizing and facilitating a variety of educational or social activities.**
* **Designing & writing Training courses.**
* **Collaborator with professors & staff to provide quality.**
* **Student satisfaction from method of teaching.**

Coaching, counseling, and disciplining employees. Plans, monitors, and appraises Conducts training.

Directs staff to ensure that food safety, product preparation, and cleanliness standards are maintained, Maintains standards of restaurant safety Responsible for inventory and money control systems

**Jan 2018 –Jan 2019**

**Internship**

 **F A Kettaneh & Co. Amman, Jordan.**

* **I was responsible for overhauling the damaged parts of Compressors mainly the piston type and the screw type.**
* **I was responsible for predictive maintenance of 20 different companies’ compressors.**
* **I was responsible for Overhauling a Diesel engine and changing**
* **I was responsible for overhauling the damaged parts**
* **I responsible for predictive maintenance of 20 different companies compressors**
* **I was introduced to the Synchronous Generator and Induction motors**

Education and Qualifications:

Sept 2019- Sept2021

 MSc in Electrical power and Control Engineering, Liverpool John Moores University, UK. GPA first classes, and excellent with honors

* **The MSc thesis search in Direct torque control (DTC) an emerging technique for controlling , inverter-fed induction motor drives control, and involves calculating an estimate of the motor’s, engine development Relevant Modules: Dynamic Simulation by Mat Lab and LabVIEW, Digital Control.**
* Practicing Digital control and Dynamic Simulation in the Laboratory, Design a Digital Controller

Group Design Project Module:

For this project, I worked alongside five persons to Design a safety Instrumented System (SIS) for a new generation of Liverpool Telescope, which called NRT project.

My responsibilities:

* I was responsible for the project research including, the main subjects that the project should contain such as:
* Safety management plan for the SIS. System specifications
* System specification
* Hazard analysis and Risk assessment including, initial Hazard analysis by Using MIL-STD-882 Standard, Risk Assessment by using ANSI/RIA R16501 standard which includes the determination of risk category and Safeguards Selection.
* Safety requirement specifications, which includes, so determination /Safety integrity and I level (SIL) calculation.
* System design which includes, the Hardware such as, Safety PLCs and communication Protocols.
* I played a leadership role such as, team working such, helping my colleagues in their research also, if they were busy, I was taking some of their tasks. Moreover, I was responsible for the preparation of the presentation to the client so that, I was arranging the meetings with my colleague and trying to explain to them the project in order to be able to introduce it to the client.
* I played a team management supervisor so that, I was responsible for arranging the meeting with my colleagues and check the work progress.

 Sept2014-Jan2019

BSc in Mechanical Engineering, Al Balqa Applied University/Faculty of Engineering Technology, Jordan. GPA Very Good, 3.37 out of 4.

* **Relevant Modules: Heat Transfer, HVAC**
* **Internal Combustion Engine, Power Plant, Fluid Power( Hydraulic and Pneumatic Systems), continuous Control Systems,**
* **Mechanical Design,**
* **Manufacturing Process,**
* Safety and Maintenance Engineering,
* Electrical Machines.

2013-2014

 High School Education the Scientific Stream, Jordan. Average 93.2 percentage.

 **Relevant Modules: Math, Physics, Chemistry, Biology. Etc.**

Achievements and Rewards:

* **A full Scholarship for three years Awarded by SANDS Academy Private School.**
* **A full Scholarship for undergraduate students Awarded by Al Balqa Applied University.**
* **A partial Scholarship for Middle East and North Africa postgraduate students Awarded by Liverpool John Moores University.**

Visa information:

* **Currently I am sponsored by Siemens under a skilled worker visa Tier 2.**
* endeavors,
* **playing sports,**
* **Exploring ideas and knowledge.**