**Curriculum Vitae**

***Amir Tayari***

***Electrical Engineer***

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**Profile:**

*Proactive and self-confident Control and Automation engineer with successful experience in designing, developing, and commissioning SCADA and communication systems. I am also skilled in communication with customers and offering professional advice on the most appropriate products and services.*

**Academic Qualifications:**

***Studying, M.Sc. in Control & Automation – Aalborg University, Denmark***

* *Project Title: Identification of Dynamics and Modelling for a Multivariable HVAC System*

***2012, M.Sc. in Electrical Engineering- Automation and instrumentation, Shiraz University***

* *Master Thesis: Analysis of DNP3 & IEC 60870-5-101 protocols and how IED relate to the RTU in SCADA*

***2004, B.Sc. in Electrical Engineering-Telecommunication, Isfahan University of Technology***

* *Bachelor Project: Radio Telescope Antenna Design*

**Work Experiences:**

***Mar 2010 – Aug 2021 Electrical Engineer, Pattern Company – Iran***

***Main Duties and Responsibilities***

* Project Management, Engineering, Calculation and Design, Configuration, Commissioning, Maintenance, and handover to execute Control and Automation, SCADA, and Communication projects.
* Field project engineer in repair and maintenance of electronic, communication, and CCTV systems.
* R&D engineer in design and implementation of voice communication control system (VCCS).
* Performing Factory Acceptance Test (FAT), Site Acceptance Test (SAT), and Site Inspection Test (SIT) on software and hardware to ensure that system fulfill customer’s requirement and standards.
* Collaboration with the Sales and Trading Group for technical documentation and pricing in tenders.

***Dec 2006 – Mar 2010 SCADA Engineer****,* ***Hormozgan Province Electric Distribution – Iran***

***Main Duties and Responsibilities***

* SCADA and monitoring documentation of power grids and troubleshooting.
* Configuring and Installation RTU, IED, PLC, and HMI Software for medium and high voltage power stations and Load Break Switches communicating on IEC 60870-5-101,104 and DNP-3 protocol.
* SCADA interface with OPC Server and serial communication configuration.
* Ensure data transmission via Radio and Fiber optic network from RTU’s to the Control room.

***April 2005 – Dec 2006 SCADA Communication Engineer, Hormozgan Province Regional Electric company – Iran***

***Main Duties and Responsibilities***

* Provide IP and Serial interface solution and transmission data from RTU to Control room.
* Design, installation & Maintenance of fiber optic and radio networks.
* Design, installation & Maintenance of PLCs in High Voltage grids.
* Design, Implement, and maintenance of IP-based computer networks.

**Skills:**

* Control, Automation, Monitoring, and SCADA systems.
* IT/Telecom, Computer networks, Physical and virtual Server commissioning.
* design and perform Radio communication systems for Data and Voice (VHF, UHF, Microwave, LTE, Satellite, Conventional, DMR, TETRA, and VOIP)
* Industrial Communication Protocols and signals (DNP3, IEC101, IEC104, MODBUS, RS232, RS485, CANBUS)
* Analyzing data Protocol using network analyzer tools (Wireshark, Port monitor, etc.).
* Simulink, MATLAB, and Python programming.

**Certifications:**

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| --- | --- |
| DNP3, IEC-101, IEC-104, Modbus Protocol | CCNA (Cisco Certified Network Associate) |
| RTU Communication to control system | Spread Spectrum Radio networks |
| FTTX, WDM & Optical transmission |  |

**Language Skills:**

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| --- | --- | --- | --- |
| Persian | English | Arabic | Danish |
| Native | Fluent | Intermediate | Basic |

**Personal Skills:**

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| --- | --- |
| Analytical and Problem Solving Skills | Strong communications |
| Flexible and independent | Team oriented |
| Professional attitude and commitment to quality | Result oriented |

**Core Competences:**

|  |  |
| --- | --- |
| PLC, SCADA, and DCS | Networking and Communication Systems |
| Automation and Control Systems | Instrumentation and Measurements |