Ammar Abdulsamad

Automation Engineer

PROFILE

Ambitious and dedicated Automation Engineer with strong expertise in PLC, HMI, and SCADA systems. Specialized in Siemens solutions with extensive experience in programming, commissioning, troubleshooting, and developing advanced automation platforms.

WORK EXPERIENCE

- **2023–Present | Ecolean AB – Automation Developer**

  - Automation development for film and extrusion machines
  - Programming, testing, and commissioning of machinery
  - Safety upgrade and reconstruction of the MA33 machine
  - WinCC Unified panels (MA34, MA35, Powder Room B)
  - Feasibility studies for new automation solutions (Powder Room A, recycling room, etc.)
  - Direct support and troubleshooting of production machinery

- **2021–2023 | Automation Engineer Consultant – Rejlers Helsingborg**

  2023 | Climate Machines AB – Consulting Assignment

  - Feasibility study and reprogramming of Motoman Yaskawa DX200 robot
  - Integration with Omron NX-102 PLC

  2022–2023 | Tetra Pak – Consulting Assignment

  - Programming, testing, and commissioning in Siemens TIA Portal
  - Development of a new automation platform for machine rebuild projects
  - Safety programming and restructuring of PLC code
  - Working in an agile team following Scrum

  2022 | Recipharm AB – Consulting Assignment

  - Programming of Forberg Drying System FT-1500 (Siemens S7-1500)
  - Development of SCADA WinCC 7.5

- **2020–2021 | Mundus Maskin AB / Tornum Group**

  - Troubleshooting, commissioning, and monitoring in TIA Portal
  - SCADA development in Movicon Next
  - Programming and SCADA – Gunnarshögs gård AB
  - Programming and commissioning – Johnsgården AB
  - Visualization and sensor integration – Stora Marke AB

EDUCATION
- 2019–2021 – Automation Engineer, Yrkeshögskolan SYD, Sweden
- 2017–2019 – Upper Secondary Completion, Komvux Sweden
- 2015–2017 – Political Science, Roshd University, Turkey
- 2009–2013 – Chemical Engineering, Homs University, Syria
- 2006–2009 – Technical Program, Alzehrawi Syria

CERTIFICATIONS
- Drive Motion Control – Siemens Industry (2022–2023)
- Industrial Cybersecurity (2025–2026)
- Industrial Safety Programming – Siemens TIA Portal (2025)

COURSES
- Technical Courses

  - Siemens Networks, Drives, Industrial Strength Networks
  - Robotics (Yaskawa)
  - Control Engineering
  - SQL

- Programming Courses

  - JavaScript
  - MATLAB
  - Backend with JavaScript
  - Interactive Websites with JavaScript

TECHNICAL SKILLS
- PLC & Automation

  - Siemens Step7 / TIA Portal (Expert)
  - Siemens Motion System

- Safety Programming

- HMI/SCADA

  - Siemens WinCC Comfort/Unified (Expert)
  - Movicon Next (Advanced)
  - Beijer HMI

- Other Systems

  - Codesys (Advanced)
  - Mitsubishi PLC (Advanced)
  - Eplan P8 (Intermediate)
  - Rexroth (Intermediate)

- Robotics

  - Yaskawa, Kuka, ABB – Intermediate/Basic

- Programming

  - JavaScript, Node.js, SQLite, VB, MATLAB, HTML, CSS

LANGUAGES

- Swedish – Fluent
- Arabic – Native
- English – Good

OTHER

- Driver's License (Category B)

CONTACT

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