

Magnus Nordlund - CV

Personal Information

Solna, Sweden | Born: 1974 | Nationality: Swedish

Languages: Swedish (Native), English (Fluent)

Professional Summary

A seasoned automation engineer with over 25 years of experience in various industries, including steel, wood, and public infrastructure.

Extensive expertise in industrial control systems, system design (hardware and software), project leadership, and migration projects.

Skilled in leading complex projects from initial study to implementation, consistently delivering efficient and robust solutions.

Work Experience

Founder & Automation Engineer

MN Automation & Engineering AB | 2021 - Present

- Specialized in automation systems with a focus on Siemens PCS7, WinCC, TIA-portal and Simatic S7.
- Lead multiple projects involving system design, programming, and technical project management.

Automation Engineer | Service Engineer | Project Engineer

Siemens | 2005 - 2020

- Led significant automation projects across various industries, including steel, paper and public facilities.
- Delivered system upgrades, including Greenfield installations and hardware/software migrations.
- Provided technical training on Siemens control systems, including Simatic S7 and PCS7.

Automation Engineer | Hardware Designer

Midroc Electro | 1998 - 2005

- Worked on international projects primarily in the wood and steel industries.
- Designed hardware, programmed control systems, and acted as a sub-project leader.

Electrician | Teletechnician

Midroc Electro Sandviken | 1995 - 1998

- Gained foundational experience in electrical and telecommunication systems.

Example projects over the years

SSAB Borlänge, Konti

Lead Engineer | 2011 - 2013

- Led migration of control and drive systems in the steel industry (PCS7).
- Developed a pilot migration concept from ABB450 to PCS7.

Astrids Lindgrens Junibacken, Stockholm

Lead Engineer | 2014 - 2015

- Managed the project from design to deployment of the new control system for the "Story Train" ride.
- Programmed the system using the TIA portal. Communications over large wireless Profinet mesh network.
- Different and very fun project to be a part of.

Uddeholm Voestalpine Stålverket

Programmer. Protocol designer | 2018

- Reprogramming of the new control systems for melting furnaces using PCS7 and WinCC.
- Designed and managed communication protocols between Level1 and Level2 systems via OPC-UA. Scripting in C and VBS.

Sandvik Coromant Gimo

Lead Engineer | 2018 – 2020

- Reprogrammed control systems for 11 hardening furnaces using PCS7, with responsibility for the entire project lifecycle from design to deployment both for AS and OS.
- Design of sequence and recipe handling. Scripting in C and VBS.

NODRA, Norrköping

Programmer - Lead Engineer | 2021 – 2024

- New control system for the entire Norrköping municipality's VA facilities.
- Design, programming and commissioning of the process control system PCS7. Primarily concerning program development of HMI and CMTs.

Metsä Tissue, Mariestad PM37

Programmer | 2024 – 2025

- PCS7 programmer on the DCS part of the Tissue machine.

SSAB Oxelösund, Development department

Technical project leader | 2025

- Technical project management for the development of a concept for replacing old hardware.

Skills

- Control Systems: Siemens PCS7, Simatic S7, TIA Portal, WinCC.
- Programming: C, VBS, Script development for PCS7/WinCC.
- Project Management, Technical lead: Extensive experience leading automation projects, from initial feasibility studies to implementation.
- Technical Training: Delivered numerous training sessions on Siemens systems.

Education

Technical High School - Electrical and Telecommunication Engineering

3-year program focused on electrical and telecommunications systems.

Personal Profile

I am a driven, organized, and goal-oriented 51-year-old from Storvik, now living in Solna with my partner Susanne, with whom I've shared over 20 years.

Outside of work, I enjoy training, playing veteran hockey, and spending time on the water as a boat owner. I am also an active scuba diver and enjoy traveling when the opportunity arises.

References

Available upon request.