Curriculum vitae

SEBASTIAN KARLSSON

UI/UX Automation Engineer

PROFESSIONAL SKILLS

PLC Systems:
Siemens S7/TIA
Rockwell Automation
Mitsubishi
Beckhoff TwinCat 3

HMI/SCADA:
FT Optix
IA Ignition Perspective
AVEVA InTouch
AVEVA System Platform
RS View
WinCC Flexible/WinCC

Communication protocols:
ASI
DeviceNet
PROFIBUS
PROFINET
Ethernet TCP/IP
OPC UA

Programming
Python
JavaScript
HTML/CSS
VBA

Other Technical Skills:
Tetra Pak Factory OS
VMware ESXi
Microsoft Office Suite
Windows OS
Linux (Ubuntu) OS
Jira

PROFESSIONAL EXPERIENCE

Tetra Pak Processing Equipment (2018 – Present)

UI/UX Automation Engineer

- HMI/SCADA Application developer. Included in a central team of developers to develop and maintain the company HMI/SCADA templates in IA Ignition Perspective and FT Optix.

- Technical coordinator for Business Streams within Tetra Pak. Supporting them, taking functional request and giving technical support during their switch to Ignition and FT Optix.

Automation Engineer Industrial IT

- Member of development team with responsibility for developing the company's new HMI/SCADA templates in IA Ignition Perspective.

- HMI application template owner.
Develop and maintain AVEVA HMI/SCADA templates improving operational efficiency.

- AVEVA InTouch trainer for field service engineers and automation engineers (2022 – 2025). Teach how to work with, modify and troubleshoot InTouch HMI templates.

Tetra Pak Dairy & Beverage Systems (2016 - 2018)

Automation Engineer

- Automation Responsible for ambient machines. PLC and HMI programming of ambient machines according to customer requests.

Tetra Pak Processing Systems, Global Projects (2012 - 2016)

Automation Engineer

- PLC, HMI and MES programming together with commissioning of large dairy plants

Tetra Pak Carton Bottle (2011 - 2012)

Automation Engineer (Consultant from Eltech Automation AB)

- Development and engineering on filling machine TT3 (Rockwell PLC Programming).

EDUCATION

Automation Engineer KY (2009 - 2011)
Industrial Electrician Gymnasial Vuxenutbildning (2008 - 2009)
Gymnasium med samhällsvetenskaplig inriktning (2002 - 2004)

LANGUAGES

Swedish (Native)
English (Fluent, written and verbal)

ADDITIONAL INFORMATION

- Consistently seeking opportunities to expand knowledge and skills.
- Passionate about programming with strong interest in software development.
- Completed multiple courses in Python programming from basic to advanced.
- Completed multiple courses in web development from basic to advanced.