

Filip Jech

WAREHOUSE AUTOMATION & INTELLIGENT SYSTEMS ENGINEER

CONTACT

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WEB filipjech.cz

IN linkedin.com/in/filip-jech

LOC Czech Republic · open to relocation

CORE SKILLS

Automation & OT

PLC / TIA Portal Profinet

Modbus OPC-UA

Safety circuits

Commissioning Lean / CI

Takt / OEE

SCADA · HMI · Monitoring

mySCADA DATATALK Zabbix

Node-RED HMI

Robotics

ABB KUKA Robot cells

Grippers Safety gates

IT & Infrastructure

Windows Server Linux

MSSQL SAP softli ERP

Docker Supabase

Software · Data · AI

Python FastAPI Streamlit

MQTT LSTM / PCA

LLM agents n8n SQL

EDUCATION

Ing. — Cybernetics, Control & Measurements

Brno University of Technology · 2018–2021

Bc. — Process Management

University of Pardubice · 2014–2018

LANGUAGES

Czech NATIVE

English PROFESSIONAL

FOCUS AREAS

Warehouse Automation

Industrial AI

Digital Twins

Predictive Maintenance

Industrial IT

Robotics Integration

PROFILE

Industrial Automation & Intelligent Systems Engineer with **6+ years** across automation, robotics, industrial IT and AI. I connect operational technology — PLCs, robots, SCADA and industrial networks — to modern IT, IIoT and machine learning, turning raw plant signals into **monitoring, prediction and decision support** for warehouse and manufacturing systems.

EXPERIENCE

Automation & AI Engineer · OSVČ / Self-employed

SMAR S.R.O.

Dec 2025 – Present · Czech Republic

- ▶ Build complete production cells for ABB industrial robots — mechanical and electrical integration through to commissioning.
- ▶ Commission and optimize large-scale automated material-handling systems operating 24/7 — conveyors, Profinet, safety.
- ▶ Develop industrial digital-twin & predictive-maintenance solutions (HELIX-DT): OPC-UA / MQTT pipelines, LSTM RUL prediction, Streamlit dashboards.

Information Systems Specialist

ARIES, A.S.

Jul 2020 – Sep 2025 · Vrchlabí, CZ

- ▶ Deployed and operated the **softli ERP** system; managed ERP infrastructure on Windows Server and MSSQL.
- ▶ Built internal Python tools and monitoring dashboards (Zabbix) that reduced manual operational tasks.
- ▶ PLC programming and industrial system integration across internal processes.

Test Engineer

MYSCADA TECHNOLOGIES

Dec 2018 – 2020 · Prague, CZ

- ▶ Tested and validated SCADA functions and PLC control logic, including HMI behaviour and industrial communication.
- ▶ Authored repeatable test procedures focused on reliability and system performance.

Process / Manufacturing Engineer · Turbochargers

CONTINENTAL

May 2017 – Dec 2018 · Trutnov, CZ

- ▶ Optimized a high-volume automotive turbocharger line — improvements that raised takt time and throughput while cutting downtime and scrap.
- ▶ Ran daily production in SAP; root-cause analysis on recurring defects (PLC, SQL).