

Jaron Tollefson

Automation Technician & Tool Builder

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SUMMARY

Field service engineer with an A.A.S. in Automation Robotics Engineering Technology. Installs, commissions, and troubleshoots PLC-, VFD-, and servo-driven packaging machinery at customer sites — and builds tools that measure and fix inefficient workflows, human and AI, from offline shop-floor calculators to a self-hosted AI platform.

EXPERIENCE

Forpak / MultiSource Mfg. Jul 2023 – Present

Field Service Engineer · Promoted Jul 2026 – Present

Maintenance Technician Jul 2023 – Jul 2026

- Install, commission, and service servo-driven packaging machinery at customer sites across the U.S. and Canada — often as the only technician on site, about 130 travel nights a year.
- Program and troubleshoot the full Rockwell stack — CompactLogix PLCs, PowerFlex VFDs, and Kinetix servos in Studio 5000, FactoryTalk View HMIs — plus Festo pneumatics and sensors.
- For a food-processing customer, commissioned two vision inspection systems, then audited both 5-lane lines' PLC logic rung by rung — root-caused a hidden fault masking jam alarms on 4 of 5 lanes and fixed it with zero downtime.
- Self-initiated offline, no-install shop-floor tools: a drawing/schematic viewer, belt & PPM calculators, a PM checklist.

Caliber Products Inc Burnsville, MN · 2020 – Jul 2023

Engineering Intern Apr 2023 – Jul 2023

- Built relay-based motor controls for production: hands-on 3-phase wiring, panel building, DC motor control.
- Reverse-engineered powersports parts in SolidWorks; helped revise and troubleshoot a new automated process.

Assembler 2020 – Apr 2023

- Maintained the line's automation machines; supervised a warehouse and a production line; helped implement SOPs.

SKILLS

Controls PLC: Allen-Bradley CompactLogix (Studio 5000) · Drives: PowerFlex VFDs, Kinetix servos · HMI: FactoryTalk View · Robotics: FANUC, ABB · Vision: Cognex · Panel building & 3-phase wiring · Pneumatics (Festo) & hydraulics

Software & CAD Python · TypeScript · React / Next.js · Git · SolidWorks / Fusion 360 / CadQuery · 3D printing

AI & Data Claude · Local LLMs · Gmail / Sheets APIs · Notion · Prompt + agent design · AI cost auditing

EDUCATION

Hennepin Technical College Eden Prairie, MN · 2020 – 2022

A.A.S. — Automation Robotics Engineering Technology

- Capstone: a part-checking system with an Allen-Bradley PLC, Cognex vision camera, conveyor, and pneumatics.
- Honorable Mention, 2022 Bearman-Henningsen Achievement Award · member of the IoPP student leadership team.

PROJECTS

JollyOS Self-hosted AI operations platform jollydesk.work/builds Personal 2026 – Present

- Built and operate a self-hosted Next.js/TypeScript platform (25 modules) around an AI agent job queue (Agent Control) that supervises Claude Code sessions, plus Gmail-driven bill automation — deployed on Linux (systemd).

Gripe Miner Claude Code plugin — finds AI-workflow waste github.com/jtollyinc/gripe-miner Open source 2026

- Open-source plugin that mines a developer's own Claude Code transcripts for typed complaints, repeated asks, and token-burning loops, verifies each against the real code, and ranks the fixes — runs 100% locally.
- Measured 3.8B tokens across 3 machines over 60 days (~\$5.4k list-price equivalent, 94% cache reads); found ~\$600/month of avoidable spend: a scheduled status checker spawning 240+ Opus sessions for one-line answers, an outdated model tier with 4× the cache-read price, and doubled-work loops (one page: 44 sessions in 8 days).