

Benjamin Zawodni

Engineering Manager · Enterprise AI & Agentic Tooling · Embedded & Platform Software · DevOps / CI/CD

Clinton Twp, MI | bzawodni@gmail.com | 586-925-6010 | linkedin.com/in/bzawodni | github.com/bzawodni | hodlerstaking.com

SUMMARY

Engineering leader with 7+ years in embedded and automotive software, building on a prior decade in avionics systems. Currently lead a software engineering team at Stellantis across development tooling, build infrastructure, and software maturity—driving enterprise AI adoption, agentic developer tooling, CI/CD reliability, DORA-based delivery, and multi-platform SoC bring-up. Founder and CTO of a Cardano staking operation, with hands-on work spanning C++, Python, Docker, and Web3. Known for building high-retention teams and shipping on time.

CORE SKILLS

Languages: C++, Python, C, MATLAB/Simulink

AI & Agentic Tooling: Enterprise AI enablement, agentic developer workflows, LLM-assisted coding & code review, AI-integrated CI/CD, prompt/context engineering, MCP tooling

Infrastructure & DevOps: Docker, CI/CD, Git & GitHub, Artifactory, Grafana, DORA metrics, TCP/IP

Embedded & Automotive: BSP / board bring-up, AUTOSAR (BSW, RTE, ARXML), Vector DaVinci, ADAS, SPI / I2C / MIPI

Web & Blockchain: Web3 APIs, Flask, full-stack development, Cardano, EVM

Practices: Agile, model-based development, monitoring & alerting, technical documentation

EXPERIENCE

Manager, Software Engineering (BSWE) — Stellantis

Dec 2025 – Present

Dev Tooling, Infrastructure & Software Maturity · Metro Detroit, MI

- Lead a software engineering team delivering across software maturity & quality, SoC development infrastructure, and solution engineering, owning team strategy, execution, and cross-functional alignment.
- Champion enterprise AI adoption and agentic developer tooling—integrating LLM-assisted coding, automated code review, and AI-driven workflows into the SDLC to raise engineering throughput and quality.
- Define AI usage practices, guardrails, and evaluation criteria that make agentic tooling safe, repeatable, and measurable across development teams.
- Direct containerized build environments, Artifactory-based artifact management, and automated tooling that enable turnkey, scalable SoC development workflows.
- Advance delivery maturity through DORA-metric optimization, CI/CD pipeline reliability, and quality gates.

Staff Software Engineer (formerly Advanced Senior Software Engineer) —

Stellantis

Jan 2022 – Nov 2025

Metro Detroit, MI

- Delivered Board Support Packages (BSP) and led board bring-up on five high-powered compute platforms within 18 months.
- Piloted AI and agentic developer tooling into build and test workflows—LLM-assisted coding, automated code review, and scripted agents—reducing manual toil and accelerating delivery.
- Founded and mentored an engineering team recognized for industry-low turnover and reliable on-time delivery.
- Spearheaded Docker-based build environments enabling turnkey automated builds and continuous-integration pipelines.
- Built real-time dashboards to track DORA metrics (deployment frequency, lead time, change failure rate, MTTR), reducing pipeline failures and accelerating lead time.
- Centralized artifact storage and version management with Artifactory, simplifying dependency control and releases.

Founder & CTO — Hodler Staking Services

Jun 2021 – Present

hodlerstaking.com · Remote

- Deploy, secure, and maintain high-availability Cardano nodes for low latency, high uptime, and consistent staking rewards.
- Built custom tooling and automation for node management, monitoring, alerting, and analytics.
- Grew and retained delegators via community engagement, support channels, and public events; participate in on-chain governance and improvement proposals.
- Own risk and cybersecurity strategy, including cryptographic key management and hardened operational security. Completed Project Catalyst-funded open-source wallet work.

Software Engineer (Contract via Kyba) — Stellantis

Mar 2021 – Dec 2021

Metro Detroit, MI

- Developed and optimized MATLAB-based vehicle-function algorithms for Body Control Modules, cutting module resource usage 15% and improving performance 10%.
- Integrated vehicle functions into the full automotive software architecture with cross-functional teams, delivering milestones ahead of schedule.
- Authored system and interface documentation aligning development, QA, and field-support teams.

Software Technician — Magna Electronics

Aug 2019 – Mar 2021

Metro Detroit, MI

- Contributed to core ADAS software development and integration, including AUTOSAR BSW components.
- Owned an SPI-bus connector communications module in Python and C, improving data throughput and reliability.
- Implemented AUTOSAR RTE interfaces with ARXML and Vector DaVinci, reducing integration time 25%.

Software Engineer Intern — Magna Electronics

Mar 2019 – Aug 2019

Metro Detroit, MI

- Engineered a microcontroller managing video serialization/deserialization, fault-detection interrupts, I2C communication, and MIPI image-path configuration.
- Partnered with senior engineers to deliver robust, testable code meeting stringent automotive standards.

EARLIER EXPERIENCE · AVIONICS & SYSTEMS

Avionics Systems Technician — Pacific Architects & Engineers

Jan 2012 – Feb 2019

- Troubleshoot, repaired, and calibrated navigation, communications, and surveillance systems on U.S. Customs & Border Protection aircraft; installed FLIR UHD cameras and maintained Motorola P25 encrypted UHF radios at 99% operational uptime.

Avionics Field Service Engineer — L3 Communications

Jan 2010 – Dec 2011

- Provided 24/7 on-call support for U.S. Army C-12 reconnaissance aircraft during Operation New Dawn; configured onboard servers/LANs and monitored GPS and IR camera systems for mission readiness.

Systems Integration Engineer — Eagle Creek Aviation

Mar 2005 – Jul 2008

- Produced engineering, certification, and regulatory-compliance documentation for major avionics alterations—glass-cockpit modernization, digital autopilot upgrades, AHRS/air-data installs—plus installation and post-install support.

EDUCATION

B.S., Computer Technology — Wayne State University

2016 – 2019 · GPA 3.86

A.A., General Studies — Macomb Community College

2013 – 2017 · GPA 3.44