

# THOMAS LOVIN

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## SUMMARY

Software Support Engineer specializing in Ignition SCADA and industrial automation. Hands-on experience with Python (Jython), SQL, OPC UA, MQTT/Modbus, and PLC integrations. Strong troubleshooting, customer communication, and a track record of delivering reliable solutions in production environments.

## CORE SKILLS

Languages & Data: Python (Jython), SQL (MS SQL, MySQL), JSON, Java, C | Platforms & OS: Windows, Linux, Docker, VMware, AWS | Networking: OPC UA, MQTT, Modbus, TCP/IP, DNP3 | SCADA & Controls: Ignition 8.1 (Gold/Core), Tag History, Alarms, Gateway tuning | PLCs & Protocols: Allen-Bradley, Siemens, Omron | Tools & Practices: Git, virtualization labs, customer support, documentation

## EXPERIENCE

### Software Support Engineer – Inductive Automation

May 2025 – Present | California, United States · Hybrid

- Troubleshoot Ignition SCADA environments across Python, OPC UA, tag history, alarms, and gateway performance.
- Integrate Ignition with PLCs (Allen-Bradley, Siemens), SQL databases, MQTT/Modbus protocols.
- Author solutions/best practices to accelerate resolution and improve customer outcomes.

### Technical Analyst – Inductive Automation

Sep 2024 – May 2025 | Folsom, CA · On-site

- Triage and documented issues; reproduced problems using SQL, Python, networking, and OS knowledge.
- Built test environments with Docker, AWS, VMware; investigated bugs, wrote bug reports, and trained peers.

### PCIS Manufacturing Technician – Mars

Feb 2023 – Dec 2023 | Gainesville, GA · On-site

- Maintained electrical power systems, controls, and industrial networks; supported upgrades and safety fixes.

## **Engineering Technician – Honeywell International**

Jan 2022 – Feb 2023 | Duluth, GA · On-site

- Built prototypes/test fixtures, managed lab equipment, executed QA testing, supported production tasks.

## **Lab Technician – Chattahoochee Technical College**

Aug 2021 – Jan 2022 | Georgia, United States

- Maintained lab motors/equipment; supported PLC/motor control labs; performed preventative maintenance.

## **EDUCATION**

B.S., Computer Information Systems (Minor: Computer Science, Dean's List) – Valdosta State University, May 2026

Focus: software engineering, databases/networking, systems implementation, business coursework.

A.A.S., Industrial & Electrical Technology (Honors, Dean's List) – Chattahoochee Technical College, 2020–2022

Competencies: high/low-voltage systems, motor controls, PLCs, electrical theory across industrial applications.

## **CERTIFICATIONS**

Ignition Gold 8.1 (2024), Ignition Core 8.1 (2024), CompTIA ITF+ (2024), Cybersecurity Essentials – Microsoft (2024), Windows Defender & Firewall – IBM (2024), IT Help Desk – LinkedIn (2024), Programmable Controls – ChatTech (2022), Electrical Technology – ChatTech (2022), Technical Specialist – ChatTech (2022), Industrial Electronics – ChatTech (2022)