Adam Jablonski

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SUMMARY

Software Engineer with extensive experience in automotive sub-system integration testing, test automation tool development, and end-to-end software development lifecycles. Skilled in Python and C++ development, log and data analysis, defect triage and management, and technical documentation. Successfully built and maintained critical test infrastructure supporting thousands of automated test executions across both production vehicles and HIL test benches.

EXPERIENCE

Ford Motor Company | Dearborn, MI

Software Development Engineer in Test   *Nov 2023–May 2025*

- Contributed core functionality, including automated test configuration, vehicle interaction (ignition control, DTC logging, etc.), on-vehicle diagnostic logging, and remote log streaming, to In-Vehicle Automation (IVA), an automated OTA test orchestrator and executor, achieving 135,000 fully automated in-vehicle OTA test runs and counting.
- Led peer code reviews, mentored junior engineers and analysts, and authored technical documentation in Confluence covering the IVA system architecture and best practices.

Software Test Engineer (Contract)   *July 2021–Nov 2023*

- Designed, implemented, and maintained Vehicle Logging Client (VLC), a Python CLI tool that reduced manual OTA test execution time by 5-10 minutes per run by automating logging instrumentation setup/teardown, monitoring log health, and organizing test data for triage.
- Created comprehensive Confluence documentation for VLC and provided ongoing user onboarding and troubleshooting support, increasing team-wide tool adoption to 95%+.
- Performed manual OTA regression testing on hardware test benches and development and production vehicles, analyzing system logs to root-cause update failures, documenting defect details and steps to reproduce in Jira, and verifying fixes.

ZF Group | Fowlerville, MI

Quality Engineering Intern   *May 2017–Oct 2019*

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EDUCATION

Michigan State University | East Lansing, MI   **2019–2021**
Bachelor of Science, Computer Engineering - 3.99 GPA

SKILLS

Technologies Python, C++, GitHub, Jira, Confluence, TestRail, Slash, Pytest, CAN/CAN-FD

Practices Scaled Agile for Enterprise (SAFE), UML,