

C. Orr – "Software Test Engineer"

Email cass.orr@umontana.edu
State MT (Mountain Time)



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Executive Summary

I work as part of a multi-disciplinary team to verify and validate embedded software systems, including endoscopes, cold light sources, and documentary devices. Developed both manual test procedures and automated test cases for various testing types, including end-to-end, integration, and feature testing, to support the validation of existing devices as were introduced. Responsibilities included assembling test hardware and fixtures, analyzing test results, defining requirements and acceptance criteria from user stories, and continuously improving the test and verification process.

Functional Expertise

- Automated testing
- Manual testing
- Test Strategy
- Requirements

Technical Expertise

- Jira
- Figma
- PTC
- Postman
- Java, Python, C#

Certifications

- Certified Software Quality Engineer (CSQE)
- Certified Software Tester (CSTE)

Industry Sectors

- Medical Technology

Methodologies

- Agile
- Waterfall

Languages Spoken

- English

Mobility

- 25% availability to travel

Experience

Software Quality Assurance – Software Test Engineer – Medical Device Industry

- Develop and execute manual test procedures for software and hardware integration
- Created automated test cases for end-to-end, integration, and feature testing
- Analyze test results to assess software performances and compliance
- Collaborate with a multi-disciplinary team to ensure software quality

Train Control System – SQA Engineer – Railway Transportation

- Test case automation development for train control software
- Perform Hardware-in-the-Loop (HIL) testing to simulate train movements and infrastructure signals
- Ensure software adheres to railway safety regulations and undergoes necessary validation checks