**David Vincent Miller**

Product Engineer

bringing confidence, culture, and communication to software teams and their delivery systems

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**Concepts:** TDD, BDD, OOD, OOP, MVC, PWA, CI/CD, routing, switching, multihoming, vlan

**Formats:** gherkin, html, css, xml, json, yaml, toml, bpmn

**Industries:** customer service, loss prevention, material handling, virtual value chain, warehousing logistics, non-emergency transit, telco

**Languages:** js, python, java, go, rust, c#, c++

**Protocols:** HTTP, SOAP, ssh, telnet, rsync, multicast, unicast, TCP/IP, ipv6, ipv4, DHCP, DNS, BGP

**Systems:** Azure, Github, AWS, Weblogic, nginx, apache, Vagrant, Docker, VirtualBox, Windows, CentOS, Debian, Ubuntu, Cisco, Alcatel, manet

**Tools:** rabbitmq, SQL, postgres, codeQL, jmeter, cypress, postman, newman, k6, burp, zap, selenium, appium, moq, xunit, libpcap, git, intellij, vscode, vim

**Aries Defense, LLC | Software Engineer | Jan 2024 - Mar 2024**

- configured Rally Tactical Services on an Embedded Linux system that translates between G.711 Companding Algorithms

- updated an existing Aries software product that provides a graphic interface for HUD configurations

- worked on an Android application that acted as an App store for other Aries Software Products

- updated internal documentation for installing the ATAK SDK

**SVT Robotics | Platform Engineering | Aug 2021 - Sep 2023**

- developed an automated component testing pipeline using Cypress, Docker, Azure, and bash

- maintained soc2 compliance using codeQL, ZAP, and burp suites

- automated over 900 scenarios using a simulation service written in c# and rabbitmq

- planned 200 releases between two agile product teams

- tracked code churn, time to release, and release failures

- conducted regular retros, stands, and compliance risk assessment reviews

**UZURV Holdings, LLC | Test Automation | May 2019 - Aug 2021**

- designed a test automation framework using java, selenium, cucumber, and appium

- developed user-generation test scripts using plain javascript and postgres

- collaborated with frontend team to maintain test-ids in the angular and ionic frontends

- implemented 400 test scenarios using the test automation framework

- tracked all testing activities using TestRail including WCAG 2.0 compliance

- conducted all test review and automation prioritization meetings

**Swisslog Logistics, INC | System Integration | Jun 2016 - May 2019**

- worked in a team tasked with integrating retrieval systems in warehouses

- led go-live events for one of the largest tire distribution projects in America

- planned and conducted F.A.T. events for 8 warehousing projects

- collaborated with project management to track test coverage, test execution, and test cycle times in polarion alm

- tier2 support for any software related issues for sites in North America

- wrote unit, integration, and system tests using java, mockito, and xunit

- implemented a program that automated workflows using selenium and java

**Connexion Technologies | System Implementation | May 2006 - Dec 2012**

- helped build an interoperability data center at the main office

- maintained 20 production sites in the Atlanta Metro area

- tier 2 support for all production sites

- commissioned 57 last-mile projects delivering video, voice, and data services to 10K customers

- received a ccna and network+ certification

**J. Sargeant Reynolds Community College | Associate of Science in Computer Science | 2013-2016**