David Vincent Miller

Software 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

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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