

CORE WORKING PHILOSOPHIES

- Servant leadership that strives for psychological safety;
- Cultivating high-trust teams where mistakes == growth;
- Proactively prioritizing diversity, equity, and inclusion;
- Transparent & constructive communication in all matters;
- Seeking out interest-based opportunities within deliverables.

TECHNICAL PROFICIENCIES

- Python, Java, Kotlin, Javascript, Typescript, Ruby, PHP;
- Node, React, Mocha, Chai, Cypress, Selenium WebDriver;
- Data pipelines, test pipelines, Jenkins, GitHub Actions;
- Agile software development methodology, test strategy;
- Integration, automation, & application development.

WORK HISTORY**Stroom, Inc. // Frontdoor Home**

Software Engineer

October 2020 - September 2022

- Collaborated on the design, documentation, communication, and rollout of org-wide software development process changes to improve product stability during concurrent dev and research initiatives after a major growth event
- Performed in-depth investigations of a data pipeline spanning Twilio rooms, Postgres databases, and Amazon S3 buckets using internal and external APIs, custom python tools, log analysis via DataDog, and direct inspection via SQL
- Implemented a proof-of-concept React application for visualizing highly dimensional data to better assess gaps in test coverage across a complex matrix of devices, platforms, and browsers for multi-participant video calls
- Established standards for ticket-level testing, provided training on those standards to development teams

Left Coast Financial Solutions

Chief Technology Officer

June 2019 - March 2020

(Note: I continued to consult on business & technical initiatives March 2020 - March 2022 with approval from Stroom COI staff)

- Managed contract technologists on devops, full stack development, IT infrastructure, and brand identity projects
- Held weekly 1:1s with reporting and collaborating technologists to address goals, concerns, and working styles
- Continuously identified milestones for internal & customer-facing technology roadmaps; contributed to their completion
- Devised and executed hiring roadmap consistent with growth needs and expertise gaps
- Performed data collection and market research to identify out-of-box and custom solutions for internal automation needs
- Established Jira-based task tracking for all teams, including non-technical BSA Compliance and Account Services groups
- Tested and troubleshot AWS Lambda functions integrated with Jira and open-source banking software Cyclos
- Defined, refined, documented, and integrated best practices for software development and customer PII protection
- Addressed disability accommodation requests and established process for submitting and responding to subsequent requests

Cylance, Inc.**January 2016 - June 2019**

(Note: Acquired by BlackBerry Corporation in February 2019; continued as the BlackBerry Cylance Business Unit thereafter.)

Senior Security Automation & Orchestration Engineer

March 2018 - June 2019

- Developed custom integrations and scripts for tools which Demisto did not yet fully or satisfactorily support
- Designed and constructed scheduled jobs to fully automate and report on various regular housekeeping tasks
- Defined and implemented process for security automation requests, tracking, and prioritization
- Completed Cylance Management Essentials Certification training coursework

End-to-End Product Quality Lead

April 2017 - February 2018

- Held 1:1s with teammates to explore feedback on process and opportunities for growth into subject matter expertise
- Co-authored a performance improvement plan for a teammate, supervised adherence to the PIP, held weekly check-ins
- Designed and hosted game-based activities for cross-training and team-building
- Guided development process, established test standards for greenfield project through productization, rearchitecture
- Owned end-to-end quality upon integration into product ecosystem through test design, execution, reporting, response
- Provided tailored training on both architectures for varied audiences including tier 1 support, data science

Senior Quality & Test Automation Engineer

January 2016 - March 2017

- Contributed to python automation framework for generating and verifying forensic data throughout the data pipeline
- Participated in configuration, maintenance, and improvement of automated test pipeline Jenkins jobs
- Led team through feature release to improve feature coverage, platform/compatibility coverage, automation stability

EARLY CAREER

Marin Software	Software Quality Engineer	February 2015 - December 2015
<ul style="list-style-type: none">- Maintained and expanded an existing Java Selenium automation framework in response to new features- Redesigned regression tests in anticipation of a new OLAP pipeline leveraging Presto atop HBase and Solr- Ensured health of traditional and near-realtime Solr operations and RESTful APIs in two distinct pipelines- Implemented python scripts to consolidate performance data from component logs in lieu of Kibana support		
NAVEX Global	Quality Assurance Engineer	September 2014 - December 2014
<ul style="list-style-type: none">- Developed a C# Selenium automation framework prototype against a user management app and its integration points- Owned testing and quality standards for a quarterly release of the user management app common to all products- Improved development cycle transparency with changes to test planning and automation development		
Webtrends	Quality Assurance Engineer II	June 2013 - September 2014
<ul style="list-style-type: none">- Led continued development of an established C# Selenium automation framework to improve reporting value- Owned features from inception to delivery to ensure that design, implementation, and testing met quality standards- Established and maintained valid testing environments consisting of multiple servers and interdependent components- Delegated to, trained, and collaborated with a testing team in China to expedite results and increase test coverage- Introduced Agile and QA process and a new Groovy Selenium automation framework for a rapid-release Rails app		

OTHER EXPERIENCE

Emerging Leaders	Industry Mentor	2020 Annual Session
Technology professionals are matched with current students and recent graduates from underrepresented backgrounds. Mentors and mentees meet at least monthly during the 12-month partnership to review resumes, practice interviewing, answer questions about the industry, share strategies for challenging & overcoming bias, and support early career growth.		
IEEE PSU Student Chapter	Mock Interviewer, Software Engineering	June 2019
Local engineering professionals volunteer to conduct mock interviews (behavioral and technical) of 5 Maseeh College of Engineering students, matched by volunteer industry and student area of study.		
Huskies@Work	Alumnus Adviser	2018, 2019, 2020 Sessions
Alumni professionals are matched with current UW students in their Junior or Senior year of study for a one-time question & answer session about working in their field and navigating their industry with shared backgrounds.		

EDUCATION

Master of Science	Portland State University
Computer Science	September 2011 - August 2015
Specialty: Programming Language Design & Applications	Guest Lecturer, 2013
Specialty: Intelligent & Adaptive Systems (Artificial Intelligence and Machine Learning)	
Bachelor of Science (Dual Degree)	University of Washington – Tacoma
Computing & Software Systems	September 2008 - March 2011
Computer Engineering & Systems	Minor: Mathematics
Associate of Arts & Sciences	Tacoma Community College
Course Focus: Computer & Electrical Engineering	September 2006 - June 2008