

TOOLING EXPERIENCE

- Git, GitHub, GitHub Projects, Jira;
- GitHub Actions, Jenkins, AWS Lambda;
- AWS Evidently, AWS CloudWatch, Splunk;
- Selenium WebDriver, WebDriver.io, Cypress;
- Python, Java, Ruby, PHP, Javascript, Typescript;
- PostgreSQL, MySQL, SQLite.

TECHNICAL EXPERIENCE

- Integration & automation development;
- Agile software development methodology;
- Technical roadmapping with phased release;
- Establishing technical and process norms;
- Delivery focused team leadership;
- High trust, growth-based people management.

WORK HISTORY**Nava Public Benefit Corporation**

Senior Engineering Manager

November 2022 - Present

NJ UI – Payments Technical Lead

January 2024 - Present

- Worked closely with other scrum and contract leads to define and prioritize well-understood Payments functionality
- Met with stakeholders and other project-internal resources to investigate user requirements and technical limitations
- Maintained an accurate roadmap of small, rapid deliverables to improve velocity and trust with stakeholders
- Established a well-defined Responsible Engineer practice to create growth opportunities for the team and limit silos
- Advocated for standardization and optimization of some contract-wide practices to reduce overhead during growth
- Mentored tech leads of other scrum teams to help with stakeholder management, cross-disciplinary collab, and velocity
- Managed up to 10 ICs and managers concurrently; 360 reviews, PIPs, and successful promotion nomination
- Brainstormed with Nava Research and Development about generative AI use cases in legacy modernization projects

NJ UI – Data & Integrations, Emerging Teams Technical Lead

October 2023 - December 2023

- Took over a team of diverse specialists operating independently without consistent engineering or product leadership
- Unified several disjoint initiatives into a cohesive end of year goal to demonstrate value to skeptical clients
- Delivered a month early & established Nava as the only vendor to Prod-launch NJ UI mainframe replacement services
- Advocated for the move to feature-based scrum teams with project-level Guilds of subject matter experts to support growth
- Accumulated engineers from other teams as initiatives wound down in preparation for a project-wide reorganization
- Onboarded this team of more than 20 engineers and nearly 30 total staff to the broader mainframe replacement effort
- Led tooling access and cohesive norming for the entire megateam to carry standards forward into their 2024 scrum teams
- Prepared 2024 Q1 roadmaps for all three scrum teams while leads for those teams were still being transitioned or hired
- Contributed to staffing planning across teams, supported Nava interviewing efforts, and was a top referrer in 2023

NJ UI – Dynamic Claimant Homepage Technical Lead

April 2023 - October 2023

- Kickstarted a new scrum team to inherit formerly backlogged product scope, enabling expedited project delivery
- Worked with leads and ICs to establish team norms around development process and technical best practices
- Set firm expectations for high communication, collaboration first, and zero tolerance for scope creep
- Proposed architectural and phased release strategies to accommodate external pivots and release limitations
- Launched the team's key deliverable on time with all committed scope despite ongoing staffing and timeline changes
- Contributed to the code, documentation, and testing of the CMS MPSM MCADS bid challenge

Login.gov – In Person Proofing

November 2022 - March 2023

- Managed up to four direct reports ranging from SWE3 to SWE6, including 360 performance reviews
- Rapidly onboarded to a hybrid Ruby on Rails and NextJS codebase with a complex frontend workflow engine
- Developed a lightweight in-house solution to A/B testing and feature flagging allowing for phased release

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

EARLY CAREER

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
- Continuously identified milestones for internal & customer-facing technology roadmaps; contributed to their completion
- 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

Cylance, Inc.

January 2016 - June 2019

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

Senior Security Orchestration & Automation (SOAR) 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

- 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
- Performed cross-product full stack investigations to determine root cause of defects in forensic endpoint data integrity
- Organized patch releases while preparing test infrastructure for a complete architectural shift in the next major version
- 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

Marin Software

Software Quality Engineer

February 2015 - December 2015

- Maintained and expanded an existing Java Selenium automation framework in response to new features
- Redesigning 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

EDUCATION

Master of Science

Computer Science

Portland State University

September 2011 - August 2015

Specialty: Programming Language Design & Applications

Guest instructor

Specialty: Intelligent & Adaptive Systems (Artificial Intelligence and Machine Learning)

Bachelor of Science (Dual Degree)

Computing & Software Systems

University of Washington – Tacoma

September 2008 - March 2011

Computer Engineering & Systems

Minor: Mathematics

Computer science and electrical engineering lab tutor, 2008 - 2010

Associate of Arts & Sciences

Course Focus: Computer & Electrical Engineering

Tacoma Community College

September 2006 - June 2008

First place web site in regional ASME technical writing expository website competition, 2007