

ParkerFerguson

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[Website](#) | [LinkedIn](#) | [Medium](#)

Summary of Qualifications

- Software Engineer, founder & author passionate about building powerful applications & sharing my knowledge
- Strategic leader with demonstrated ability to align Business Units, establish well defined process that drive iterative improvement and add transparency and predictability to the software development & release lifecycle
- Champion of quality with a history of overcoming systemic challenges & developing a culture of quality within R&D
- Data driven decision maker with expert ability to communicate with technical & non-technical stakeholders
- Technical, code contributing leader capable of building & managing internationally distributed teams

Skills

Strategic Planning, Business Continuity, Automation, Requirement Gathering, Reporting, Documentation, Decision-Making, Mentorship, Risk/Resource/Release Management, Technical Writing, Onshore/Offshore/Remote Management, Vendor Management, Hiring, Onboarding, CI/CD, Training, Testing, Object Oriented Programming (OOP), Behavior Driven Development (BDD), Page Object Model (POM), Scripting, Database, Incident Response, Major Incident Management, NLP Sentiment Analysis, BlockChain, web3, NFT generation & deployment, Code Reviews, Scrum master

Javascript, React, Python, Solidity, Ruby, Cucumber/Gherkin, Capybara, HTML, JSON, SQL

Docker, Bamboo, Jenkins, BitBucket, Git, SourceTree, Zephyr, Fiddler, Postman, SaaS, Visual Studio/RubyMine, Hyper-V, TestStudio, Sahi, TestRail, FogBugz, BDD, JMeter, Opencover, NCover, Sauce Labs, MySQL, WireShark, Zeek, Volatility, Windows, MAC, Selenium, Appium, REST, AWS, Jira Admin & automation, Ansible, LVM, Kubernetes, Splunk, New Relic

Relevant Experience

Software Engineer & Founder, EngineerRD

2021 – Current

Blockchain Developer & Technical Lead: Implementation of proprietary technology into randomized generative art NFT on the Ethereum blockchain w/ Python, Brownie, Chainlink, Solidity.

Blockchain Consultant: Consultation, R&D & proof of concept for on-chain NFT game w/ Solidity.

Blockchain Developer & Consultant: Consultation services provided for early stage NFT project.

Data Analyst, Programmer & Consultant: Data analysis & automation of quarterly depletion reporting. Marketeam provides marketing & menu services to many of Las Vegas largest properties.

Developer, Author: Web3 tutorials published in Better-Programming, Coinmonks, The Startup.

Sr. Process Engineer, Caesars Digital

2021 – Current

Process assessment, design and implementation of scalable, data-informed, strategic initiatives.

- Developed process improvement strategies including a unified ingestion, triage & escalation workflow leveraging PagerDuty, Slack & Jira automation and integration
- Authored Ansible automation plays to recursively find, cross-reference & update eligible IPs during data center migration, significantly reducing both resource requirements and scheduled maintenance time
- Major Incident Manager (MIM), Scrum master, Logical Volume Management, Monitoring (Splunk, NewRelic)

Director - Quality Engineering & Technical Writing, Kaseya - VSA

2018 – 2020

Internationally relocated to engage flagship product as Director of Quality Engineering.

- Analyzed legacy strategies, identified underleveraged KPIs & retooled Jira to tightly couple & clearly identify the relationship between development, planning & quality outcomes - allowed for data-driven, iterative improvement
- Lead re-design & implementation of automation strategy to cut manual test effort by additional 20% in 3 months
- Reduced manual testing 30% via value based test system matrix & standards, elimination of low-value permutations
- Assume responsibilities of QA Manager, QA Directory, Release Manager & Technical Writing Manager
- Defined roles & responsibilities, increased ownership & ability of SCRUM teams to analyze & self determine success
- Oversaw identification of 1000+ bugs & retroactive creation of hundreds of test cases without requirements
- Early release adoption increase of 50% as direct result from an improved ability to release quality software
- Jira Administration & task automation saved Engineering Managers upwards of 10 hours per sprint
- Partnered with DevOps on GDPR compliant data center migration testing saving 4% of sales via fines
- Increased Org-wide visibility via dashboards, real-time Zephyr API test results, email & Zabbix test env status
- Visually reported cost as time spent on several potential points of improvement in SDLC, implemented solutions

Executive Summit Special Guest: Developed, presented & later implemented Business Unit Alignment Quality Initiative in accordance with the ISO 25010 standard model

Senior SDET & Technical Lead, Kaseya - Identity & Access Management

2016 – 2018

Uniquely effective individual contributor, recognized thought leader, mentor and Technical Lead.

- Authored automated tests, developed internal tools, managed manual testing, reporting & release
- Developed & implemented BDD & API (pyramid) focused test framework for web & mobile testing
- Followed Object Oriented design principles including Factories & Page Object Model (POM)
- Integrated Docker to CI for performant, scalable, & parallel node based test execution
- REST API based setup/teardown strategy for speed, reuse & low maintenance reliability (non-brittle)
- Eliminated significant false negative 'noise' to increase trust, accuracy & stability of test suites (~99% pass rate)
- Jira Zephyr 'ZAPI' real-time test results; email & chat notification via Jenkins

Recipient of excellence in teamwork award and cash prize

Software Development Engineer in Test, Kaseya - AuthAnvil

2014 – 2016

Individual contributor with best in Org automation coverage, stability and reporting.

- Developed overall test strategy for next generation Identity & Access Management products
- Implemented hybrid data driven REST service & CSV keyword scenario based test framework
- Transitioned tooling from Sahi Pro to Ruby, Selenium BDD test framework while maintaining release cadence
- Performed ad-hoc reporting for management, review of PRs, track & report unit test coverage

Education

Diploma of Computer Technology - Database, British Columbia Institute of Technology

2012 – 2014

Bachelor's Degree - Second Degree Program - Computer Science, Simon Fraser University

2011 – 2012

Bachelor of Business Administration - General, Thompson Rivers University

2005 – 2010

Certifications

AWS Certified Developer Associate

2021

AWS Certified Cloud Practitioner

2021

Coursera INFOSEC (3 course) Cyber Incident Response Specialization

2021

SCRUM.org Professional SCRUM Master PSM1

2020

Certified Bitcoin Professional

2018