Parker Ferguson

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Website | **LinkedIn** | **Medium**

Summary of Qualifications

- Engineer, Founder & Author passionate about sharing my knowledge of technology with others
- Technical, code contributing leader capable of adding transparency and predictability to 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

Skills

Strategic Planning, Business Continuity, Automation, Risk/Resource/Vendor/Release Management, Onshore/Offshore/ Remote Management, Continuous Integration & Delivery, Testing, Object Oriented Programming (OOP), Behavior Driven Development (BDD), Page Object Model (POM), Scripting, Database, Incident Management, Blockchain, web3, NFT, Scrum master, Process Mapping, Lean Sigma Six, Data & Service virtualization, Prompt Engineering

GraphQL, REST, Javascript, Python, Solidity, Node.js, React/React Native, Ruby, Cucumber/Gherkin, Capybara, HTML, JSON, SQL

Docker, Bamboo, Jenkins, BitBucket, GitHub, GitLab, Zephyr, Postman, Visual Studio, TestStudio, Sahi, TestRail, FogBugz, JMeter, Opencover, NCover, Sauce Labs, MySQL, WireShark, Zeek, Volatility, Windows & MAC, Selenium, Appium, AWS (CloudFront, API Gateway, Elastic Beanstalk, SSM, S3, Lambda, EC2, Cert Manager, Route 53, IAM), Ansible, Kafka, LVM, Splunk, New Relic, Tenable, Remix, Zabbix, Nginx, Jira (Administration)

Relevant Experience

Software Engineer & Founder, EngineeRD
2021 – Current

Blockchain Developer & Technical Lead: Chanlink verified (VRF) randomized generative art NFT deployed to the Ethereum blockchain w/ Python, Brownie, IPFS, Pinata, Solidity (ERC-721).
Blockchain Developer: POC on-chain NFT game featuring Solidity SVG generation at mint.
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

Assessment, design, implementation & strategic oversight of scalable, data-informed, processes & tooling.
- Developed customer focused DMADV iterative improvement strategies including a tiered support model w/ unified ingestion, consistent data capture & controls reducing both TTR & Major Incidents ~20% YoY (PagerDuty, Slack, Jira)
- Created cross-functional 'Hyper-care' support model for top deliverables 2023 (Native iOS, BackOffice, iGaming, Retail)
- Hands-on Jira Administration including automation, reporting & integrations increasing visibility & reducing risk
- Oversaw Vulnerability Management Initiatives (Tenable, Tenable-Jira Integration, 3rd party audits & remediation)
- Authored, tested and implemented Ansible automation plays to recursively find, cross-reference & update eligible IPs during production data center migration, significantly reducing resource requirements and scheduled maintenance time

Interim 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
- Oversaw identification of 1000+ bugs & retroactive creation of 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
- 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.
- Developed & implemented BDD & REST API focused test framework for web & mobile testing
- Containerized test executions using Docker, Selenium, GitHub and Jenkins
- Followed Object Oriented design principles including Factories & Page Object Model (POM)
- REST API based setup/teardown strategy for speed, reuse & low maintenance reliability (non-brittle)
- CI (merge) driven testing with 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

Relevant Personal Projects

Chatbot embedded in professional website provides potential clients and employers with all relevant candidate info in a 'promotional' tone - JS, S3, CloudFront, API Gateway, Lambda, ChatGPT   **2023**

NFT Generative art, smart contract, highly available & secure minting website hosted in AWS - Python, React, AWS S3, Cloudfront, Chainlink. Tutorial published in Coinmonks.   **2022**

NLP Sentiment Analysis Twitter data sentiment analysis by keyword. Containerized API driven web application hosted in AWS - React, Tweepy API, Python, Pandas, PyPlot, Elastic Beanstalk, Docker, Express API, Nginx, Redis, PostGres, Travis CI, gitHub.   **2022**

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

Atlassian Certified Professional - Jira	**2023**
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**