

# JASON TEIXEIRA

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## PROFESSIONAL SUMMARY

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QA Automation Engineer building test frameworks that reduced regression time by 70% and prevented multi-million dollar trading errors. Expertise in Python, Selenium, API testing, and CI/CD pipelines for Fortune 50 and fintech companies. ISTQB certified with 500+ automated tests in production.

## TECHNICAL SKILLS

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**Languages:** Python, JavaScript, TypeScript, SQL, Bash

**Testing Frameworks:** Selenium, Appium, pytest, JUnit, TestNG, Cucumber, Behave

**API & Performance:** Requests, Postman, Pydantic, JMeter, Locust, K6

**CI/CD & DevOps:** Jenkins, Docker, Kubernetes, GitHub Actions, GitLab CI

**Tools & Platforms:** Allure Reports, BrowserStack, Git, Jira, Confluence

**Databases:** PostgreSQL, MySQL, MongoDB, Redis

**Methodologies:** Agile, Scrum, BDD, TDD, Page Object Model

## PROFESSIONAL EXPERIENCE

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### Quantitative Finance & Automation - HighStrike

*Jan 2020 - Present*

- Architected Kubernetes-based test automation infrastructure processing 500+ tests with 95% uptime in production fintech environment serving \$10M+ daily trading volume
- Prevented \$2M+ in potential trading errors by implementing comprehensive API testing framework with intelligent retry logic reducing flaky tests from 10% to <1%
- Reduced test execution time by 82% (45 minutes → 8 minutes) through Docker containerization and parallel test execution across microservices
- Built production-grade REST API testing framework with 125+ tests, Pydantic schema validation, and exponential backoff achieving 3x faster execution through connection pooling

### Automation Engineer - The Home Depot

*Nov 2016 - Apr 2021*

- Reduced regression testing time by 70% (4 hours → 75 minutes) by building comprehensive Selenium + Python framework for systems serving 2,300+ stores
- Architected enterprise-scale Page Object Model framework with 300+ automated test cases covering POS, inventory, and e-commerce systems achieving 99.5% test stability
- Eliminated 85% of deployment blockers through intelligent retry logic, reusable components, and parallel test execution with pytest fixtures
- Integrated Allure reporting and Jenkins pipelines providing real-time test visibility to cross-functional teams

### Cloud Engineer - The Home Depot

*Dec 2016 - Apr 2020*

- Led enterprise cloud migration from on-premise to AWS, architecting scalable infrastructure using Terraform and Kubernetes
- Reduced infrastructure costs by 35% through optimization of EC2 instances, S3 storage policies, and Lambda functions
- Built CI/CD pipelines using Jenkins and GitLab reducing deployment time from 4 hours to 15 minutes

### Software Tester - The Home Depot

*Dec 2012 - Nov 2016*

- Led end-to-end testing for e-commerce platform handling 2,300+ store inventory systems

- Developed automated test suites for POS, inventory management, and online order fulfillment workflows
- Collaborated with development teams to implement CI/CD pipelines and automated regression testing

## KEY PROJECTS

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### Performance Testing Suite | *JMeter, Locust, Python, Grafana*

2023

- Built load testing framework for fintech trading systems identifying 3 critical bottlenecks before production
- Improved API response time by 40% and established capacity limits supporting 10K+ concurrent users
- Implemented automated performance regression testing in CI with baseline metrics and alerting

### Mobile Test Automation Framework | *Appium, Python, pytest, BrowserStack*

2022

- Reduced mobile regression time by 93% (2 days → 2 hours) with cross-platform framework covering iOS and Android
- Achieved test coverage across 15+ device/OS combinations with 150+ automated test cases
- Discovered 23 device-specific bugs before release through real device testing on cloud infrastructure

### BDD Test Framework | *Behave, Gherkin, Python, Cucumber*

2022

- Implemented Behavior-Driven Development framework bridging communication gap between technical and non-technical stakeholders
- Reduced requirement clarification meetings by 50% through living documentation with 200+ scenarios in plain English

## CERTIFICATIONS & EDUCATION

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### Certifications:

ISTQB Certified Tester Foundation Level · AWS Knowledge: Cloud Essentials · AWS Knowledge: Serverless · AWS Knowledge: Migration Foundations · AWS Knowledge: Amazon Braket · Networking Devices and Initial Configuration

### Education:

Bachelor of Science in Computer Science - Full Sail University (2010-2012)

Bachelor of Science in Finance - Kean University (2008-2010)

### Languages:

English (Native) · Portuguese (Native) · Spanish (Professional Working)