Luis P. Moura

QUALITY ASSURANCE ENGINEER / SOFTWARE ENGINEER IN TEST

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Skills

PROGRAMMING LANGUAGES

- **Proficient in:**
  - Go — ★★★★★
  - Java — ★★★★☆
  - Python — ★★★★☆
  - JavaScript and TypeScript — ★★★☆☆
  - Linux Bash — ★★★★☆
- **Familiar with:**
  - *JSON — ★★★☆☆
  - C, C++, C#, ANTLR4 — ★★☆☆☆
  - HTML — ★★☆☆☆
  - MATLAB, VHDL — ★☆☆☆☆

TOOLS (FOR TESTING AND MANAGEMENT)

- **Proficient in:**
  - Go Test — ★★★★★
  - JUnit — ★★★★☆
  - Cypress — ★★★★☆
  - Git — ★★★★☆
- **Experience with:**
  - Selenium — ★★★☆☆
  - Cucumber — ★★★☆☆
  - Jenkins and BitBucket Pipelines (CI/CD) — ★★☆☆☆
  - Postman, REST Assured, SoapUI (API Tests) — ★★★☆☆
  - Docker — ★★☆☆☆
  - JIRA — ★★★☆☆
- **Familiar with:**
  - Jupyter Notebooks (with Python for Data Analysis) — ★★☆☆☆

TEST & ASSURANCE COMPETENCIES

- **Functional Testing:**
  - Analysis — ★★★★★
  - Automation — ★★★★★
  - User Acceptance Testing — ★★★★☆
  - Technical Testing — ★★★★☆
  - Business Validation Testing — ★★★★☆
- **Architecture**
  - Tooling — ★★★☆☆
  - Integration, Contracts and Client Relationship — ★★★☆☆
  - Testing Levels — ★★★★★
  - Process — ★★☆☆☆
- **Leadership**
  - Advice and Guidance — ★★★★☆
  - Mentoring and Coaching — ★★★★☆
  - Traceability and Reporting — ★★★☆☆
  - Compliance — ★★★☆☆
  - Approaches and Strategies — ★★★★☆

Work Experience in Computer Engineering ———————

BJSS - Consulting for a Major Online Betting Platform   *Porto - Portugal (Remote UK)*
TEST ASSURANCE ENGINEER   *Apr. 2022 - Present*

(Internal projects from the oldest to the most recent)

Cashout Services - Integration Testing Team   *Apr. 2022 - May. 2023*

THE CHALLENGE:

A substantial project with the goal of replacing the Client's Betting Cashout Engine using Golang. While the groundwork for the Integration Test suite was established, scaling it would need a comprehensive refactoring, including effective handling of concurrency.

KEY ACHIEVEMENTS:

* **Test Definition Refactoring with DDD (Domain Driven Design)**
  · Implemented a builder-like pattern approach enhancing readability for both technical and non-technical stakeholders.
  · Streamlined the process of implementing new tests, resulting in improved efficiency and speed.
* **Plug-and-Play-Updatable Framework**
  · Engineered a generic Validation Engine, allowing seamless integration of new handlers complying with its interface.
* **Optimization of the Test's Execution Speed**
  · Successfully reduced execution time from 2 minutes and 30 seconds to a remarkable 12 seconds by implementing concurrency. Leveraged the Go Test library and incorporated concurrency techniques within the Validation Engine.

Cashout Services - Calculation Engine Component Team   *Jun. 2023 - Dec. 2023*

THE CHALLENGE:

Transitioning from the Integration Tests Team to lead the testing efforts for the main Cashout Services' component. The Development Team had introduced a standalone BDD/Table Testing generic Framework, yet its execution layer was barely implemented. Moreover, an imminent surge in workload necessitated the design and implementation of numerous new tests.

KEY ACHIEVEMENTS:

* **Comprehensive Test Review (to grasp the project's intricacies)**
  · Streamlined testing efforts by removing 20% of redundant tests while augmenting the test cases by 30%.
  · Elevated test coverage from below 50% to more than 60%.
* **BDD/Table Testing Framework Execution Layer Redesign**
  · Resulted in more than 50% reduction in code by applying better coding standards.
  · Introduced generic Validation and Actions Engines , allowing seamless integration of new BDD Actions complying with its interfaces, making the Framework plug-and-play-updatable.
* **Accelerated Test Implementation**
  · Leveraged the earlier enhancements to design and implement the anticipated surge of tests 4x faster than initially planned.
* **Documentation Excellence**
  · Established the Tests Documentation strategy for novel functionalities, ensuring clarity and accessibility.

Live Scoring App   *Jan. 2024 - Present*

THE CHALLENGE:

Tasked with establishing both the Quality Assurance process and the Testing Framework from inception for a new non-betting App designed to deliver real-time match scores and personalized user-defined push notifications.

KEY ACHIEVEMENTS:

* **Continuous professional Growth**
  · The project has been in its nascent stages, with ongoing contributions and achievements slated for future updates.

Mindera by HumanIT

QUALITY ASSURANCE ENGINEER

Aug. 2021 - Mar. 2022

THE CHALLENGE:

This engagement marked my inaugural experience in Front-end Web App testing, delving into JavaScript/TypeScript and Cypress for the first time. Notably, I assumed the sole QAE role within the team. Entrusted with all of the testing design and implementation on a compact team dedicated to managing the login and identity processes across IAG's (International Airlines Group) child companies' websites.

KEY ACHIEVEMENTS:

* **Design and Implementation of Comprehensive Test Suite**
  - Designed and executed the UI and Integration test suite using Cypress, a task made challenging by the external identity provider precluding Back-end or API testing.
  - Implemented data management, clean-up, login, security rule validations, and inter-airline integrations tests.
  - Successfully tested Two-Factor Authentication (2FA) methods (e-mail and SMS) using Mailosaur in with Cypress.
* **REST API Test Suite Enhancement**
  - Overhauled the existing REST API test suite, leveraging SoapUI to ensure robust testing methodologies.

Feedzai

Porto - Portugal

SOFTWARE ENGINEER IN TEST

Jul. 2019 - Jul. 2021

(From the oldest to the most recent)

Anti-money Laundering Team

Jul. 2019 - Feb. 2021

THE CHALLENGE:

Joining a newly formed, innovative, AML Team, which brought a paradigm shift to the company's approach to transaction evaluation. Unlike the prevailing real-time transaction assessments, AML demanded a batch-oriented evaluation, introducing an entirely distinct testing mindset.

KEY ACHIEVEMENTS:

* **In-depth Logic Validation**
  - Devoted the initial three months to meticulously scrutinizing and validating the logic of AML rules.
  - Identified major logical flaws in certain rules, establishing myself as the go-to authority for AML rule validation.
* **Strategic E2E Testing Framework Development**
  - Collaborated under the guidance of the QA Lead to craft an End-to-End (E2E) Tests Framework in Java for the Rules Engine.
  - Implemented a novel strategy resulting in a reduction in test execution time, from over 2 hours to less than 20 minutes.
* **UI Tests Foundation**
  - Teamed up with a colleague to lay the foundation for UI Tests using Selenium and Cucumber.
  - Pioneered the definition of a standard for feature specification using Behavior-Driven Development (BDD), enhancing clarity and alignment across the team.
* **Collaborative Test Planning**
  - Collaborated with the Product Owner and Developers to design Test Plans from the inception of the development cycle, ensuring a comprehensive testing approach aligned with project goals.

Omnichannel Team

Mar. 2021 - Jul. 2021

THE CHALLENGE:

Embarking on my first role as an unsupervised Software Engineer in Test (SEiT) within a team tasked with the goal of unifying the company's product input channels (different types/origins of transactions) into an omnichannel system for real-time (fraud detection) and batch (AML) processing.

KEY ACHIEVEMENTS:

* **Strategic Test Planning**
  - Developed a comprehensive Test Plan for the real-time version, including considerations for Reliability and Recovery.
  - Revamped existing batch tests to align with improvements introduced, ensuring a cohesive testing strategy.
* **Optimization of Test Infrastucture**
  - Revamped existing batch tests to align with previous improvements, ensuring a cohesive testing strategy.
* **Scaling Test Coverage**
  - Successfully increased the number of tests for the batch version by tenfold, aligning them with the real-time version.

Training

Data Analyst Nanodegree   *Online*
Udacity   *Jan. 2021*

Certified Tester - Foundation Level   *Porto*
ISTQB   *Sep. 2020*

Official Portuguese Certificate of Pedagogical Aptitude   *Aveiro*
FDTI - Fundação para a Divulgação das Tecnologias de Informação   *2008*

Education

Graduation in Computer Engineering and Telematics   *Aveiro - Portugal*
UA - Universidade de Aveiro   *Sept. 2016 - July 2019*

Graduation in Theatrical Studies - Acting   *Porto - Portugal*
ESMAE - Escola Superior de Música e Artes do Espectáculo   *Sept. 2003 - July 2007*

Work Experience in Other Areas

Store and Door-To-Door Salesman   *Aveiro*
JOM (Furniture) | SuperDecor (Decor) | NOPTIS (Telecom) | Aupper (Publishing Company)   *2015 - 2016*

Team Leader - Trainer - Speaker   *Aveiro, Portugal*
Yves Rocher (Cosmetics), | Vegas Cosmetics   *2010 - 2015*

Teacher - Actor - Performer   *Aveiro*
Start-Teatro (Arts School) | Efémero (Theater Company) | Viagem Medieval de Santa Maria da
Feira (Event) | EPA - Escola Profissional de Aveiro (Vocational School) | IEC - Instituto para a   *2009 - 2013*
Educação e Cidadania (Foundation)