



Luís P. Moura

SOFTWARE ENGINEER IN TEST / QUALITY ASSURANCE ENGINEER

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”Try Again. Fail Again. Fail Better” - Samuel Beckett

Recruitment Team

January 17, 2024

Job Application for Software Engineer in Test, Test Automation Engineer, Quality Assurance Engineer

About Me

Having worked in such different areas as Acting, Teaching, Sales, Recruiting, Marketing, Team Leadership, and active involvement in various extracurricular activities like founding a Youth Group, being a Boy Scout, and serving as a Musician and Choir Leader during my teenage years, one might ask ”why Computer Science now?”. My background allowed me to be flexible, a real strategist, and a problem solver. Mastering different skills demanded meticulous organization and lots of spreadsheets with algorithms to manage projects and my personal development. Eventually, programming and developing systems (or even better: putting them to the test!) became not only a necessity but, a passion.

Fast forward 4 years, and I’ve immersed myself in the world of Quality Assurance, working with exceptional individuals. I developed not only the necessary competencies but also a drive to keep pushing the team for better quality standards, the resourcefulness to trace the plan to ensure those standards, and a hunger for developing better test automation and highly productive team processes.

On a personal level, my foundational traits, instilled during my youth years, are trustworthiness and honor. I am a good communicator, I adapt to diverse audiences, and I thrive in navigating unforeseen situations.

Why your company?

Well, this is, obviously, a generic cover letter for my Website. I’m excited that you got to download my resume. But let’s not make this a one-sided thing! I’m eager to learn more about you, understand your company’s unique ethos, and explore why we may be a good fit. Let’s talk!

Why Me?

As a late entrant into the field, my choice to pursue this specific area of expertise was carefully considered. While I acknowledge the continuous learning curve, I bring a lot more focus to the table. My interest extends beyond individual success; I define success by the collective achievements I can contribute to the team. I enjoy the challenge of understanding the nuances of a project and the dynamics of the team, fostering a collaborative environment that breeds success.

Sincerely,

Luís P. Moura

Attached: Curriculum Vitae

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)	★★☆☆☆
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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.

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

SOFTWARE ENGINEER IN TEST

(From the oldest to the most recent)

Porto - Portugal
Jul. 2019 - Jul. 2021

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 Infrastructure**
 - 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

UDACITY

Online

Jan. 2021

Certified Tester - Foundation Level

ISTQB

Porto

Sep. 2020

Official Portuguese Certificate of Pedagogical Aptitude

FDTI - FUNDAÇÃO PARA A DIVULGAÇÃO DAS TECNOLOGIAS DE INFORMAÇÃO

Aveiro

2008

Education

Graduation in Computer Engineering and Telematics

UA - UNIVERSIDADE DE AVEIRO

Aveiro - Portugal

Sept. 2016 - July 2019

Graduation in Theatrical Studies - Acting

ESMAE - ESCOLA SUPERIOR DE MÚSICA E ARTES DO ESPECTÁCULO

Porto - Portugal

Sept. 2003 - July 2007

Work Experience in Other Areas

Store and Door-To-Door Salesman

JOM (FURNITURE) | SUPERDECOR (DECOR) | NOPTIS (TELECOM) | AUPPER (PUBLISHING COMPANY)

Aveiro

2015 - 2016

Team Leader - Trainer - Speaker

YVES ROCHER (COSMETICS), | VEGAS COSMETICS

Aveiro, Portugal

2010 - 2015

Teacher - Actor - Performer

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 EDUCAÇÃO E CIDADANIA (FOUNDATION)

Aveiro

2009 - 2013