



Luís P. Moura

SOFTWARE ENGINEER IN TEST / QUALITY ASSURANCE ENGINEER

Guimarães - Portugal

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Recruitment Team

February 19, 2022

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 Leading, and being an active teenager that founded a Youth Group, was a Boy Scout, Musician and Choir Leader, one might ask "why Computer Science now?". I believe that my background allowed me to be flexible, a real strategist, and a problem solver. Having to master different skills demanded organization and lots of spreadsheets with algorithms to manage projects and my evolution. Eventually, programming and developing systems or even better putting them to the test became not only a necessity but a passion.

Now, with almost 3 years of experience with great people in the Quality Assurance area, 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 hunger for developing better test automation and highly productive team processes.

On the personal side, my most recognizable traits are associated with my youth years, as I put a great value on trustworthiness and honor. I am a good communicator, can adapt and speak to different audiences, and deal very well with unforeseen situations.

Why your company?

Well, this is, obviously, a generic cover letter for my Website. I'm quite excited that you got to download my resume. I would like to know more about you and understand why and how your company and I might be a good fit. Let's talk!

Why Me?

As a late graduate in this specific area, I bring a lot more focus to the table. The choice for this field was well pondered, so although there is still always more for me to learn, my motivation is solid. This makes me interested in understanding the most possible about the project and the company. I define my success as only the success I can bring to the team.

Sincerely,

Luís P. Moura

Attached: Curriculum Vitae

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Skills

PROGRAMMING LANGUAGES

- Fluent in the languages:
 - Java ★★★★★
 - Python ★★★★★☆
 - JavaScript and TypeScript ★★★★★☆
- Experience with:
 - Linux/Bash, Git ★★★★★☆
- Familiar with:
 - C, C++, C#, ANTLR4, JSON ★★★★★☆
 - HTML, Groovy, MATLAB, VHDL ★★☆☆☆☆

TOOLS (TESTING AND MANAGEMENT)

- Experience with:
 - JUnit (to create Integration and System-tests Frameworks) ★★★★★★
 - Selenium and Cypress (UI and Integration Tests) ★★★★★☆
 - Cucumber (Acceptance Tests) ★★★★★☆
 - Jenkins and BitBucket Pipelines (CI/CD) ★★★★★☆
 - Postman, REST Assured and SoapUI (API Tests) ★★★★★☆
 - Docker, JIRA ★★★★★☆
- Familiar with:
 - Locust with Python (Performance Tests) ★★☆☆☆☆
 - Jupyter Notebooks with Python (Data Analysis) ★★☆☆☆☆

TEST DESIGN

- Experience with:
 - Discussing new product features with the Product Owner.
 - Keeping track of features quality standards during development.
 - Designing Test Plans for System and Integration Tests.
 - Designing the Test Infrastructures and Tools considering their usage by other teams.
 - Communicating tests results and added benefits to the project.

Relevant Projects

Feedzai Anti-Money Laundering Rules Test Template

Company Project (Feedzai)

A TYPES/UNITS DIMENSIONAL ANALYSIS DOMAIN SPECIFIC LANGUAGE

Java

The Rules Test Template was an initiative of making rules testing available for all teams in Feedzai using the AML Solution, especially the Customer Success teams.

Previously, rules were tested by injecting events with huge payloads in the system using Postman and performing specific actions in the system through API or RMI. Then it was necessary to access multiple systems to verify that the expected outcomes had propagated. These tests were very difficult to maintain and for most of the time executed manually by changing the values necessary for each test.

The Rules Test Template completely automates the process from end to end. Even a non-technical team member can now create a CSV with only the fields that are relevant to test the rule (usually 4 to 8 instead of hundreds) and specify in a builder pattern the expected results and intended validations. Because multiple systems and components are exercised throughout these tests, this has become the standard AML Solution System-tests Framework.

The Units Project

Personal and University Project

A TYPES/UNITS DIMENSIONAL ANALYSIS DOMAIN SPECIFIC LANGUAGE (LINK)

Java, ANTLR4

The Units Project is a powerful Domain Specific Language for creating all kinds of Units that offers an interface that guarantees checked operations between them.

It started as a challenge from the teacher of Formal Languages and Automata asking "Why isn't the type Double enough?". During the 4-person group project, my contribution was the DSL design and specifications, and the development of the codification and graph structure that allowed the unit's conversion. I also contributed with a second General-Purpose Language (now as The Potatoes Project) which implemented a natural *java/python* like use of the defined units to showcase the Project.

Later, I took the project into my own hands, reformulated all codification and graphs, improving efficiency, correctness and separating the units-conversion engine into a stand-alone DSL that can now be used in any other project. (The subsequent GPL was also improved and is a work in progress.)

The Blueberry Project

Personal and University Project

BLUE BUDGET - PERSONAL FINANCES MANAGER (LINK)

SQL Server, C#

This was a very personal project. When the need of studying again at 30 years old came to be, the decision on a Computer Engineering course was heavily influenced by an Excel spreadsheet I've created and had been improving for years. Its complexity of information and calculations presented in a quite simple way was a matter of pride to me.

This 2-person group project from the classes of Databases and Human-Computer Interaction is the start of the next step for that spreadsheet by converting it into a mobile app.

My contribution was heavier in the Conceptual and Relational Model creation, and later implementing all the Databases, and a simple Windows Forms interface to showcase its use.

Work Experience in Computer Engineering

Your company could be here!

World

QUALITY ENGINEER / SOFTWARE ENGINEER IN TEST

? - ?

Mindera by HumanIT

Porto - Portugal

QUALITY ASSURANCE - QUALITY ASSURANCE ENGINEER (MID/SENIOR)

Aug. 2021 - Present

- International Airline Group - Identity Team - as an independent QAE
- Designs and implements full UI and Integration test suite using Cypress
- Revamps the entire REST API test suite using SoapUI.
- Starts implementing new Performance Tests using Locust with Python

Feedzai

Porto - Portugal

QUALITY ASSURANCE - SOFTWARE ENGINEER IN TEST (IC2)

Mar. 2021 - Jul. 2021

- Omnichannel Team - Product Cluster - as an independent Software Engineer in Test
- Designs the Test Plan for the real-time version, including Reliability and Recovery. Updates the previous batch tests to match improvements
- Improves the tests monolith structure to be fast and easily implementable.
- Increases 10x the number of tests for the batch version and matched them to the real-time version.

Feedzai

Porto - Portugal

QUALITY ASSURANCE - ASSOCIATE SOFTWARE ENGINEER IN TEST (IC1)

Jul. 2019 - Feb. 2021

- Anti-Money Laundering Team - Solutions Cluster - under the supervision of a Senior Quality Assurance Tech Lead
- Develops the now standard Solution System-tests Framework in Java for the Rules Engine.
- Develops the base for UI Tests using Selenium Page Objects and Cucumber.
- Defines the standard for feature specifications using BDD.
- Validates new features with the Product Owner.
- Designs the Test Plans from the beginning of the development cycle.

Training

Data Analyst Nanodegree

UDACITY

- Practical Statistics
- Data Wrangling
- Data Visualization with Python

Online

Jan. 2021

Certified Tester - Foundation Level

ISTQB

- Fundamentals of Testing
- Testing Throughout the Software Development Life-cycle
- Static Testing
- Test Techniques
- Test Management
- Tool Support for Testing

Porto

Sep. 2020

Practitioner of NLP - High Performance with NLP (Neuro-Linguistic Programming)

IHTP - I HAVE THE POWER

- Create better goals
- Performance Improvement Strategies
- Efficient and Effective Communication
- NLP Therapy
- Personal skills for better performance in human relations (sales oriented)

Porto

2013 & 2014

Pedagogical Training of Trainers

FDTI - FUNDAÇÃO PARA A DIVULGAÇÃO DAS TECNOLOGIAS DE INFORMAÇÃO

- Official Portuguese Certificate of Pedagogical Aptitude. Allows application for public teaching positions.

Aveiro

2008

Education

Graduation in Computer Engineering and Telematics

UA - UNIVERSIDADE DE AVEIRO

- **Programming** - Computers Laboratory. Object Oriented Programming I, II and III. Formal Languages and Automates. Operating Systems. Human-Computer Interaction. Introduction to Databases.
- **Algorithms** - Object Oriented Programming II. Probabilistic Methods for Computer Engineering. Complexity and Algorithms. Artificial Intelligence
- **Computer Architecture** - Introduction to Digital Systems. Digital Systems Laboratory. Computer Architecture I and II
- **Networks** - Networks Fundamentals. Networks Architecture.
- **Engineering** - Linear Algebra and Analytic Geometry. Calculus I and II. Discrete Math. Mechanics and Electromagnetic Fields. Electronic Systems.
- **Computer Engineering Project** - System Modeling and Analysis. Final Project in Computer Engineering.
- **Final Score:** 16/20

Aveiro - Portugal

Sept. 2016 - July 2019

Graduation in Theatrical Studies - Acting

ESMAE - ESCOLA SUPERIOR DE MÚSICA E ARTES DO ESPETÁCULO

- Acting and improvisation. Dance and Movement. History and Drama. Music and Singing.
- **Final Score:** 15/20

Porto - Portugal

Sept. 2003 - July 2007

Work Experience in Other Areas

Store and Door-To-Door Salesman

SEVERAL: JOM (FURNITURE), SUPERDECOR (HOUSE DECOR), NOPTIS (TELECOM), AUPPER (PUBLISHING COMPANY)

- Customer service and Sales. (#1 salesman every month (except for Aupper: #2 every month))

Aveiro

2015 - 2016

Team Leader - Trainer - Speaker

SEVERAL: YVES ROCHER (COSMETICS), VEGAS COSMETICS

- Recruitment of salespeople
- Team and contacts Management
- Technical and leadership training
- Website Management and Email Marketing Campaigns
- Technical Presentation of product in professional spaces
- Workshops and Company presentations

Aveiro, Portugal

2010 - 2015

Teacher - Actor - Performer

SEVERAL: START-TEATRO (ARTS SCHOOL), EFÊMERO (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)

- Invited and Leading Actor in multiple plays
- Drama Class Teacher: multiple groups with ranging ages from 5 to 65

Aveiro

2009 - 2013

Other Activities

Scouts

AGRUPAMENTO 779 CACIA

- Development of social skills.
- Team work and team leading.
- Preparation for adulthood.

Aveiro

1990 - 2007

Youth Group

GRUJOCA - GRUPO DE JOVENS DE CACIA

- Founder of the group at 14 years old.
- Organization of cultural and sports Events.
 - Peddy-paper Rally
 - Talent Shows
 - Beauty Pageant Contests
 - Solidarity Campaigns
 - Cultural and Artistic Events

Aveiro

1999 - 2007

Piano Lessons and Choir Leader

PRIVATE, CACIA PEOPLE'S HOUSE AND S. JULIÃO CHURCH

Aveiro

1991 - 2003