Diogo Baptista

Profile

I am a passionate programmer with a desire to learn new skills and take on challenges. I have worked in team environments all my life, and I love doing so. This has helped me develop my interpersonal skills, such as teamwork, communication, leadership, and also my ability to adapt to different situations and roles. I'm also proactive and work diligently on the projects given to me.

I am looking forward to using my skills to help a company reach their goals.

Employment History

RPA Developer at NOS, Lisbon

September 2023 — Present

I am reinventing and creating new automation processes for different teams of the company.

By doing this, I help them save time and deliver processes that are critical to the teams functioning.

Some of the technologies we use are:

- Python, Powershell and Bash for scripting
- Django, SQLAlchemy, and Pandas to create API's, connect to databases, pull/send data and manipulate it
- Postman and Selenium for testing
- Some HTML, CSS and JavaScript
- Oracle SQL and PostgreSQL
- OpenText Operations Orchestration
- UIPath

Education

Bachelor's in Telecommunications and Informatics Engineering, Instituto Superior Técnico (IST), Lisbon

September 2019 — February 2023

Some of the topics I learned during my degree are:

- Foundations of Programming with Python
- Object Oriented Programming with Java
- Algorithms and Data Structures with C
- Database concepts using PostgreSQL
- HTML, CSS and JavaScript
- Routing and Network Protocols

Details

Lisbon,
Portugal
915 422 849
mab4.diogo@gmail.com
https://github.com/diogo-baptista

Programming Languages and Skills

UIPath
Python
Powershell
Bash
Java
SQL
C
C#
HTML
CSS
JavaScript
Postman
Selenium

Languages

Portuguese - Native Speaker

English - C1

Spanish - B1

Soft Skills

- Teamwork
- Communication
- Time Management
- Problem Solving
- Adaptability
- Fast Learner
- Proactive

★ Projects

Password Rotation Automation - NOS

In this project, I was asked to make an automation for our Databases team in which they wanted to input a user and password on the automation process and it would automatically change the password for all of their machines.

I created a table on our Oracle SQL database which contained all of the data from their machines and held various parameters. Then within our automation software, I separated the Windows Machines from the Linux machines and used their respective commands to make connectivity tests. If they passed the tests I would then use the commands to change the given user's password, in the end, I updated the table with the results of these various actions. I was also asked to create a log file on a specific machine and directory to hold the information of all of the runs and I used a Python script to make this.

Turnstill Access Automation - NOS

For this project I was asked to get new user information from our internal application (new people that arrive at the company), check where they are working, whether they already have a card to access the turnstiles or not, and if they don't have one I send the necessary information to the turnstile API to make a card specific to their working location (we have multiple offices).

To achieve the desired result, I had to make a scheduled job in our automation software that every 10 minutes would check our database for new users. If there were new users, I pulled their data from the database, get it into the wanted format, and then turn it into a JSON that we could send to the turnstile API, all of this with Python, using the Pandas and SQLAlchemy libraries. To conclude, after these actions, an automatic email would be sent to the respective office receptionist and she would print the person's card with their information.

Feature Development for the Quizzes Tutor Platform - IST

In my Software Engineering course, we were placed in teams of six, subdivided into groups of two for our project. The objective was to simulate a realistic experience of a team of software engineers. To complete the project we used many different technologies such as Java for most of our code, Spock for unit testing, JMeter for load testing, Cypress for end-to-end testing, Vue for the frontend, and for version control we used GitHub accompanied by the SCRUM methodology.

Each team had a feature to do, in my case and that of my colleague, it was the development of a feature for the Quizzes Tutor platform (used to train exam questions for the course). With our feature, we could visualize the questions we got wrong in the various quizzes we had taken and see the answers for them. This project brought many challenges but me and my colleague had fun and overcame them, finishing with a grade of 18/20.