Eduardo Costa Miranda Azevedo

Personal Informations

Date of Birth: (14/10/2002).
Technical repository: https://github.com/EduardoMirandaz
Email: eduardo.cmazevedo@gmail.com
Social media: https://www.linkedin.com/in/eduardo-miranda-a43a73209/

Academic Education

10/2020 - Course: Microsoft Excel 2016 Basic, Intermediary
and Advanced: 100 hours

01/2021 - Course: IT Governance Fundamentals - 12 hours
- Bradesco Foundation

03/2021 to 07/2021 - Monitor for the "Codifique" course at USP, a
programming course for high school students.

04/2021 - Course: **Python** - 120 hours - "Curso em Vídeo" -
Gustavo Guanabara

05/2022 - "**HTTP Essential Training**" - 8 horas - Linkedin Learning

06/2022 - "**Learning Rest API**" - 4 horas - Linkedin Learning

03/2021 - Ongoing | University: **Pursuing a Bachelor's degree in
Information Systems - USP (University of São Paulo)**.

08/2021 - 08/2022 | Scientific Initiation - PUB ICMC USP - "Meninas
Programadoras" - **https://meninasprogramadoras.icmc.usp.br**
   -   Over a period of 12 months participating in this project, I served as a

monitor/teacher for **11 groups of girls** ranging in age from 15 to 50 years old, which involved **close contact with approximately 1200 students** during that time. During this period, I taught programming logic using the **Python language** and other logical abstraction methods (such as **Scratch**), as well as being responsible for managing all aspects of the course related to the girls, including managing grades, attendance, recovery, or any other obstacles related to their overall development.

10/2023 - 04/2024 | **Exchange program** - RPTU - Kaiserslautern, Germany
-   I was **one** of the **selected students** from the **University of São Paulo** to study subjects of my choice from the **master's classes** at the University of Kaiserslautern in Germany, **related to Computer Science**. I am studying **Data Visualization**, **Middleware for Heterogeneous Systems**, and **Strategy and Technology**.

Work Experience

05/2022 - 08/2022 | Bootcamp Internship - DBC Company - Backend Training - **Quality Assurance**

In this **4 months period**, I:
-   Studied the concepts and applied the acquired knowledge related to the creation of **REST APIs and Microservices** in general using **SpringBoot in Java**, connecting with external APIs, and building software based on the **MVC model**.
-   Applied logic used for database modeling, following the necessary architectural cycle to build a consistent relational database.
-   Used **Docker** to create virtual containers for databases, understanding its concept and using the main commands.
-   Learned **unit testing**, **integration testing**, and **functional testing**, where I understood the importance of testing to enhance software maintainability and ensure its quality. These tests were performed using **Rest-Assured for API testing** on the back-end and **Selenium and Cypress** for screen testing on the front-end.
-   Used **Apache Kafka**, an asynchronous messaging framework, understanding the importance of messaging for **Microservices** and

expanding my understanding of asynchronous data transmission within applications. I also used the **KafkaAssured library** to test messaging systems.
- Studied and applied **TDD (test-driven development)**, implementing it in the final project of my internship, where I tested an application that manages the display of **over 800 job listings** provided by the company.

08/2022 - Ongoing | **Quality Engineer** - DBC Company - Sicredi

Nowadays, I:
- Provide services for one of the **largest credit cooperatives in Brazil**, working on **two new products**: an internally developed system for internal recruitment within the cooperative, **which has already been used to hire around 300** new employees for the company, and a new platform that managers will use in the service units (**also working on legacy migration**). I had to understand and organize the architecture responsible for receiving data **from over 500,000 clients**.
- deepened my previously acquired knowledge of the SCRUM software development methodology, participating in various ceremonies within the framework, such as "dailies," "retrospectives," "refactorings," "planning," "refinement," and "review."
- Currently, I work in an **agile environment**, using **Jira** for task management and **Zephyr Scale**, integrated with Jira, for the creation and detailing of test scenarios.
- Have been using **Grafana** and other **service monitoring software** to assist in the control and management of applications related to the company's environment.
- Participated in the creation of the development pipeline for the new recruitment project, understanding the **stages of the pipeline** and everything involved in the **project's CI/CD (Continuous Integration/Continuous Deployment)**, **configuring Sonar** for static code analysis, and assisting in **maintaining the quality gate** required for the software to be deployed to the production environment.
- Deepened my understanding of **software testing concepts**, moving towards quality engineering, with the **creation of detailed test plans** and **control of the approval process for everything that is produced**. As a result, I have been gaining a comprehensive understanding of business rules, **testing Kafka messaging systems**

through end-to-end (e2e) tests, conducting **more advanced Rest API testing with Rest Assured**, and significantly expanding **my knowledge of Selenium**, particularly in regards to **XPath element mapping in HTML** and **dynamic data generation**.
- Studied and applied concepts related to tests made in **gRPC (Google Remote Procedure Call)** services**.**

07/2023 - Ongoing | **Quality Assurance Course Instructor** - **TripleTen**

- I conduct **live sessions** to impart knowledge on topics related to Software Quality, addressing **both theoretical and practical questions** from students. I cover topics ranging from test design techniques to QA tools and applications. In addition to asynchronous support, **I assist approximately 100 students per month** in achieving their academic goals within software testing.
- I serve as an **editor and reviewer** for significant portions of the QA bootcamp content, recommending **better approaches** and more effective content for the platform.
- **I analyze and report bugs** found in the study platform in a coherent and self-explanatory way.
- I interact with the entire **international team** to enhance students' experience throughout the course, participating in weekly meetings with individuals from various countries. During these meetings, I consistently **contribute ideas and express my opinions** on potential improvements.
- I am continuously **exploring better ways to teach content** in the field of Software Quality and keeping myself updated on this niche within the field of computing.

Other Skills

Communication Skills, **Writing Skills**, Self-motivation, Flexibility, Initiative, Teamwork, **Teaching Abilities, Critical Thinking**.

Good understanding of project **versioning concepts** and **implementation** (**GitHub** and **GitLab**).

Broad knowledge of agile software development methodologies (**SCRUM, Kanban, Waterfall**).

I understand the functioning and architecture of contemporary computers, particularly those with **Windows** or **Unix-based** operating systems.

I comprehend the functioning of the **internet** and **its key functionalities**, as well as possessing knowledge of the **main data transfer protocols(HTTP, HTTPS, FTP, SMTP)** used in networks, and I also know how to re-create and analyze these information flow using **Charles**, **Postman**, **Wireshark, Devtools.**

I have competence in **creating databases**, from conceptualization based on problem descriptions to table setup, **MySQL**, **MS SQL**, **PostgreSQL**, **Oracle**.

Idiomas

_____

- **Portuguese :** native.
- **English :** I write well, read well, and speak well.
- **Espanish :** I write reasonably well, read well, and speak reasonably well.
- **German :** Beginner.

Contact

_____

telegram: @thedraude
email: eduardo.cmazevedo@gmail.com