

Sofía G. Grandía

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SKILLS & TECHNICAL TOOLS

Programming Languages: Java, Python, SQL, JavaScript, C, HTML/CSS, C, VHDL, CQL, R

Technologies: Git, Jupyter Notebook, ReactJS, REST APIs, Bash, Spring FW, Plotly, Matplotlib, Matlab, Play FW, Django

Languages: Spanish (*native*), English (*native*), French (*B1*)

EXPERIENCE

Business and Integration Arch Analyst | Accenture 2022 - Present

- Backend engineer in project developing **RESTful services** using technologies such as **Spring framework**, **JUnit** and **Mockito** tests.
- Deployed software using **Jenkins** for continuous integration, and used **Git** and **Bitbucket** as VCS. Used **Sonar** to analyse code and ensure code quality and Clean Code practices.
- DevOps engineer in project that required the knowledge of **SQL**, using technologies such as **DBeaver**, **Jira** and **Confluence**.
- Created Test Cases using **ALM**, written for both developers and end users in their corresponding environments.
- Used **SoapUI** and **PostMan** to test APIs.
- Worked in an **Agile** team, and used the methodology with all the required meetings, boards and practices. In charge of writing and presenting User Stories to the developer team as well as Product Owners.

Software Engineer Intern | KPMG 2021

- Intern in the Digital Corporate Solutions department at KPMG Spain.
- Took part in the back-end development of an application using **Spring framework** and **Java** and monitoring technologies such as **Grafana** and **JMeter**, as well as testing with **JUnit**.

EDUCATION

UNED (Universidad Nacional de Educación a Distancia) | Present

B.S. - Computer Science/Ingeniería Informática

Upgrade Hub Bootcamp | 2024

Full Stack Development Bootcamp

Coursework: HTML, CSS, JavaScript, Node, React, Angular, MongoDB, PHP, Symfony, Jest, SQL, Agile

Universidad CEU San Pablo | Madrid, Spain. 2017-2021

B.S. - Biomedical Engineering (Bilingual Degree)

2:1 (70-80%), Final Thesis with Honours.

Coursework: Calculus, Algorithms and Data Structures, Databases, Discrete Mathematics, Data Mining, Computer Architecture, Linear Algebra, Differential Equations, Probability and Statistics, Project Management, Digital Signal and Image Processing, Circuit Theory and Digital Electronics

King's College School | Madrid, Spain. 2006-2017

Baccalaureate

Grade average of 9 (out of 10).

PROJECTS

🔗 Upper-limb rehabilitation system for Cerebral Palsy Patients: | *CQL, REST APIs, Play FW, Java, React, Vanilla JS, HTML, CSS, Drools, Cassandra*

- Conceptualised a **RESTful Web Service** using **Java** and **Play framework** to extract treated data of upper-limb rehabilitation from a noSQL database, with the front-end written in vanilla **JavaScript** and **React Bootstrap**.
- Developed a high-performance database to store physiological parameters for upper-limb rehabilitation, recording real-time data using BigData technologies like Apache **Cassandra**.
- Real-time data stored in the database was then processed by a rule-based expert system using **Drools**. This expert system then established future therapy treatments for Cerebral Palsy patients.

Telemedicine Application: | *Java, Swing*

- Conceived a telemedicine application written in **Java**, allowing patients to monitor their vitals using **BITalino**, with graphical interface that allows users to interact and send different information to the server.

AWARDS AND ACHIEVEMENTS

Porsche | "Best Idea" Award 2019

- National Award granted during Innovation Week - Proposed a new marketing strategy based on their image and history.