

## Sebastián Fco. Gutiérrez Rojas

Madrid, Spain

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### SUMMARY

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A dedicated Big Data professional with a strong focus on Deep Learning, Python, and ETL processes. Passionate about leveraging data structures and design to develop innovative, scalable solutions. Committed to continuous learning and career growth, with a proven ability to solve complex problems and drive meaningful outcomes in data-driven environments.

### SKILLS

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**Frontend Programming:** *HTML, JavaScript, jQuery, React, Webflow*

**Backend Programming:** *MySQL, MongoDB, NodeJS*

**Database Management:** *SQL, MariaDB, Dbeaver, PostgreSQL*

**Robotics:** *Arduino*

**Mobile Applications:** *Kotlin*

**Operating Systems:** *MacOS, Linux, Microsoft*

**Interface Design:** *Figma*

**Distributed Systems:** *Apache Spark, Kafka Streams*

**Container Orchestration:** *Docker, Kubernetes*

**Programming Languages:** *C, C++, Python, Java*

**Cloud Services:** *AWS (S3, EC2, RDS, Lambda, Security Groups)*

**Shared Resources and Domain Management**

**Soft Skills:** *Emotional Intelligence, Motivation, Conflict Management, Teamwork, Adaptability*

### RELEVANT WORK

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**Product and Service Developer at Worksync.ai**

**Remote – London, UK**

*January 2024 – Present*

- **Developed and launched an AI-powered Chrome extension** designed to streamline job application processes by automatically responding to application questions for clients.
  - Utilized a front-end tech stack including TypeScript, React, Plasmio Framework, and Node.js to build a comprehensive web application allowing clients to manage their accounts and interact with the extension.
  - Engineered the Chrome extension to control the browser, enabling mass job applications by automatically answering questions using AI.
- **Designed and implemented a serverless back-end architecture**
  - Built a secure API to validate user access keys, ensuring only authorized users can access the app.
  - Automated database functions, such as updating client information upon purchase, enhancing the overall user experience.
- **Currently finalizing the publication process** for the extension, preparing it for wider user adoption and market entry.

**Technologies Employed:** TypeScript, React, Plasmio Framework, Node.js, Google Cloud Functions, Golang, Stripe, Firebase (Firestore and Authentication).

*September 2023 – Present*

- **Developed and delivered comprehensive course materials** tailored to the Ministry of Education's curriculum requirements, providing students with a solid foundation in operating systems.
  - Created practical activities and assignments from scratch, designed to reinforce theoretical concepts and offer hands-on experience with real-world applications.
- **Facilitated a collaborative learning environment** by organizing group activities that promoted teamwork, critical thinking, and problem-solving skills.
  - Guided students through challenges, mediating conflicts, and fostering constructive dialogue to enhance their learning experience.
- **Maintained regular communication with supervisors and colleagues**, actively sharing teaching strategies and methodologies to improve student engagement and optimize learning outcomes.
  - Contributed to continuous curriculum development by integrating feedback and staying updated with the latest advancements in operating systems.

**Technologies and Skills Employed:** LAN creation, Router configuration, Network services, Linux, Windows Server, LDAP, Domain management, Samba.

**Web Development and Design Lead at Sleepzzzone (Internship)**

**Madrid, Spain**

*June 2022 – September 2022*

- **Redesigned the company's landing page and e-commerce platform**, transforming an outdated WordPress site into a modern, user-centric experience using Webflow.
  - **Applied UX principles** to create a more intuitive and visually appealing interface, improving both the usability and overall user satisfaction.
  - **Implemented a new visual and content structure** that significantly enhanced the site's aesthetics and functionality, ensuring alignment with user expectations and business goals.
  - **Managed domain migrations and the full transfer of the sales portal to Webflow**, ensuring a smooth transition with no service interruptions, while also optimizing for improved performance and scalability.
- **Collaborated closely with company leadership** to align technical strategies with business objectives, effectively communicating complex technical concepts in an understandable manner.
- **Oversaw the integration of design elements and features** that met both user expectations and business requirements, contributing to the site's usability and visual appeal.
  - **Successfully handled domain migration and the setup of a sales portal**, ensuring minimal disruption and maintaining a strong online presence.

**Technologies and Tools Employed:** Webflow, Figma, JavaScript, Stripe, WordPress, HTML/CSS.

PROJECTS

BACHELOR’S THESIS:

**Title:** *Between Waves and Emotions: The Synergy of EEG and BCI in Conscious Advertising*  
**Description:** This thesis explores the intersection of neuroscience and marketing, leveraging EEG (Electroencephalography) and BCI (Brain-Computer Interface) technologies to understand and influence consumer behavior through conscious advertising using videogames. The research focuses on how these technologies can be used to measure emotional responses and create more effective advertising strategies.

U-Next

September 2022 - April 2023

- **Led the development of U-Next**, a collaborative platform for U-tad students to publish projects and offer vacancies for other students to apply, fostering collaboration and synergy within the university community.
  - Utilized **Django** to establish a robust back-end, integrating with **Vue.js** for a dynamic front-end experience.
  - Played a key role in the development and management of views, ensuring seamless interaction between the front-end and back-end through efficient use of **GET, POST, PUT, and UPDATE** methods, with data passed effectively via JSON.
- **Applied Scrum methodology rigorously** throughout the project, ensuring iterative development, constant feedback, and continuous improvement, leading to a well-organized and efficient development process.
- **Facilitated teamwork and communication** within the project team, ensuring alignment with project goals and effective contributions to the platform's development.
- The project was self-initiated with colleagues, aiming to create a networking portal where students could publish their ideas and collaborate across different disciplines, simulating real-world professional environments with features such as interviews and professional interactions.

EDUCATION

<b>University of Technology and Digital Arts (U-tad)</b>	<i>Madrid, Spain</i>
<b>Software engineering, Specialization in Big Data</b>	<i>Graduated: 2024</i>
<b>Grade: 7.02/10</b>	

- Developed a strong foundation in software development, with proficiency in Python, C, C++, and Java.
- Gained expertise in both front-end (HTML, JavaScript, JQuery, React) and back-end (MySQL, MongoDB, NodeJS) programming, enabling full-stack development capabilities.
- Acquired advanced skills in database management, including experience with SQL, MariaDB, and DBeaver.
- Mastered distributed systems technologies, such as Apache Spark and Kafka Streams, enhancing data processing and streaming capabilities.
- Built and deployed containerized applications using Docker and Kubernetes, optimizing software deployment and scalability.
- Developed cloud computing skills, with practical experience in AWS services such as S3, EC2, RDS, Lambda, and Security Groups.
- Engaged in mobile application development, with hands-on experience in Kotlin for Android platforms.
- Expanded knowledge in interface design using Figma, applying user-centric design principles.
- Explored robotics with a focus on Arduino, integrating hardware and software for innovative solutions.
- Developed a solid understanding of operating systems, including MacOS, Linux, and Microsoft, supporting diverse computing environments.
- Cultivated essential soft skills, such as emotional intelligence, conflict management, teamwork, adaptability, and motivation, to effectively collaborate in dynamic environments.

LANGUAGES

**Spanish** (Mother tongue). **English** (Fluent). **German** (Basic user).