

Sebastián Fco. Gutiérrez Rojas

Madrid, Spain

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+ SKILLS

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

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

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

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

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

Container Orchestration: **Docker, Kubernetes**

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

Operating Systems: *Linux, MacOS, Microsoft*

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

Others: *Figma, Kotlin, Arduino*

+ EXPERIENCE

Professor of IOS (Implementation of Operating Systems) at U-tad

Madrid, Spain

September 2023 – Present

Took on the responsibility of **developing and delivering** a ten-month course with **just four days' notice**, ensuring the curriculum was comprehensive and aligned with industry standards. Balanced course development with hands-on teaching, focusing on building students' **problem-solving skills** and system architecture knowledge. Provided personalized support to students, addressing grade disputes fairly, and fostering an environment that encouraged growth and learning.

Technologies and Skills: LAN creation, Router configuration, Network services, Linux, Windows Server, LDAP (roles, users, login scripts), Samba, Active Directory, Command-line, Git, GitHub, Cybersecurity basics.

Product and Service Developer at Worksync.ai

Remote – London, UK

January 2024 – Present

Developed and launched an AI-powered Chrome extension to automate job applications, enhancing client efficiency. **Led front-end development** with TypeScript, React, Plasmio Framework, and Node.js, and implemented a serverless back-end with Google Cloud Functions and Golang. Integrated secure user authentication, automated database updates, and Stripe for payments. Currently finalizing the extension for market release.

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

Web Development and Design Lead (Intern) at Sleepzzzone

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Redesigned the company's landing page and e-commerce platform, transforming an outdated WordPress site into a modern, user-centric experience using Webflow.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 enhance usability and visual appeal. **Led the migration** of the domain and sales portal to Webflow, ensuring a smooth, uninterrupted transition and optimizing performance and scalability. Collaborated with leadership to align technical strategies with business goals, effectively communicating complex concepts. Integrated design elements that improved site usability and met both user and business requirements.

Technologies and Tools: 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.

+ EDUCATION

Bachelor's degree in Software Engineering, Minor in Data

Madrid, Spain

University of Technology and Digital Arts (U-tad)

Graduated: 2024

Grade: 7.02/10

Proficient in full-stack development with **Python, JavaScript, React**, and expertise in front-end (React, HTML, CSS) and back-end (NodeJS, MySQL, MongoDB) technologies. Skilled in **systems programming** and **application development** using **C, C++, and Java**. Experienced in **database management** (SQL, MariaDB) and **distributed systems** (Apache Spark, Kafka). Proficient in **Docker, Kubernetes** for containerization, and **AWS** for cloud solutions. Developed mobile apps in Kotlin, designed user interfaces in Figma, and integrated robotics with Arduino. **Strong understanding of operating systems** (MacOS, Linux, Windows) and equipped with essential soft skills for effective collaboration.

+ LANGUAGES

Spanish (Mother tongue) **English** (Fluent) **German** (Elementary Proficiency)