Gerard Gutiérrez Flotats

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Software developer with over five years of experience leading Internet of Things (IoT) projects. Expert in developing integrated solutions with Firebase, Google Cloud, REST APIs, Bluetooth Low Energy (BLE), and Wi-Fi, focused on connectivity, scalability, and performance optimization.

PROFESSIONAL EXPERIENCE

Maha Data Center   **Terrassa, Spain**
Software Engineer. Responsible for Front-End Development   *Sept.2025 – Present*

- I lead the development of the mobile app for tachographs, ensuring a smooth and functional user experience.
- I manage the development and maintenance of Maha Data Center's corporate website, optimizing the front-end's performance and scalability.

Shiny Wall (Side project)   **Rubí, Spain**
Software Engineer   *Febr. 2023 – Present*

- I lead and develop the Shiny Wall app for Android and iOS in Flutter, and the backend in Firebase, in collaboration with another developer.
- Responsible for the Shiny Wall mobile app for interactive LED climbing walls, with over 1,000 downloads across several European countries where Shiny Wall systems are installed.

Appex Factory   **Sabadell, Spain**
Software Engineer   *Oct.2022 – Sept. 2025*

- I led several IoT mobile app development projects with Flutter, managing the full application lifecycle.
- I implemented CI/CD pipelines with Codemagic, reducing deployment times by up to 80% and improving the quality of the delivered software.
- I developed a Bluetooth communication protocol to load user interfaces from microcontrollers in C directly onto mobile devices.
- I extended this protocol to the web environment using WebSockets, facilitating its integration into external websites.

PwC   **Barcelona, Spain**
Digital Assurance. Information Systems Auditor   *Sept. 2021 – Oct. 2022*

- I conducted IT audits of critical systems, ensuring regulatory compliance and process integrity.
- I developed internal tools to automate the collection of audit evidence
- I optimized processes by implementing RPA solutions, improving operational efficiency.

Solé   **Martorell, Spain**
Systems Technician trainee   *Dec. 2020 – Sept. 2021*

- I participated in the migration of the ERP system and collaborated on the development of the new corporate website.
- I implemented improvements in the automation of internal processes, increasing operational efficiency.

EDUCATION

UNIVERSITAT AUTÒNOMA de BARCELONA   **Barcelona, Spain**
Business & Technology   *Sept. 2017 - June 2021*
Specialization in IT Infrastructure Management.

                                                         Barcelona, Spain
                                                         Febr. 2024 - Febr. 2026
UNIVERSITAT OBERTA de CATALUNYA
Official Master's Degree in Cybersecurity and Privacy
Specialization in Technology.

COURSES & CERTIFICATIONS

- Mulesoft - **Mulesoft Certified Developer Level 1** (2022)
- Udemy - **Flutter from zero**, **Flutter Isolates**, **Advanced Flutter** (2022-2023)
- Datacamp - **Introduction to SQL Server**, **SQL Relational Databases**, **Intermediate SQL Server**, **Functions for manipulating data in SQL Server**. (2020-2021)
- edX - **Advanced Course in Excel** (2021)
- Sololearn - **HTML**, **JavaScript**, **C#, Angular**, **Kotlin** (2020-2022)

TECHNOLOGIES

- **Main languages:** Dart, Flutter, Kotlin, Swift, Python, SQL, VBA, Mulesoft, DataWeave, Javascript
- **Tools and platforms:** Firebase, VS Code, Git, Android Studio, XCode, Slack, Trello, Codemagic, AnyPoint Studio & Platform, ACL Analytics

HABILIDADES ADICIONALES

- Passionate about climbing and mountain sports.
- Music lover and amateur guitar composer.
- Native proficiency in **Spanish** and **Catalan** (C2 certification) and fluent in **English** (FCE, B2 certification).