

# FRANCESCO CALICCHIO

## Software Engineer

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### EDUCATION

2022 - Present **Bachelor of Computer Science** **Univesity Of Camerino**

- Current GPA: 3.5/4 - 26.5/30
- Main Courses: Algorithm and Data Structure, Programming, Computer Architecture, Linear Algebra, Probability and Statistics.

### EXPERIENCE

10/2023 - Present **Mobile Developer** **Freelance**

- Developed **cross-platform mobile applications** for iOS and Android devices using Flutter.
- Optimized **code efficiency by 90%**.
- Integrated APIs, structured mobile application architecture using the MVVM pattern, and employed state management tools like Provider.

Dart / Flutter

### PROJECTS

TypeScript, React, Tailwind CSS **Form Wizard** **Github link**

- Developed a **full stack** modern web-app that allows users to create interactive, customizable, and shareable forms.

Dart, Flutter **CatFisher** **Github link**

- Cat Fisher is a social network designed for cats, serving as a platform to search for lost feline friends.
- Users can add their own cats to the app, and receive real-time advice in case of a cat being lost, or can interact with someone who has found their lost cat.
- In this project, my responsibility was to develop the frontend, integrate APIs, and structure the app using the **MVVM pattern**.

Dart, Flutter **Ygital Manage** **Github link**

- Ygital Manage is a mobile app tailored for **efficient client management** it enables users to add, modify, and organize customer details.
- My role involved developing the frontend, **API integration**, and implementing the MVVM architecture pattern using **Provider** for state management.

Arduino, Assembly, C **Arduino Speedometer** **Github link**

- Developed a bicycle speedometer using Arduino, featuring real-time speed display, distance tracking, and time elapsed measurement.
- Bypassing Arduino's standard library functions, utilizing direct hardware register access, and integrating external and timer interrupts. This approach minimizes memory overhead, resulting in **40-50% performance improvement** compared to standard Arduino library functions.

### LANGUAGES

**Italian** - Native, **English** - Professional

### SKILLS

**Languages:** Java, Dart, TypeScript, Python, JavaScript, HTML, CSS.

**Technologies:** Flutter, NodeJS, MongoDB, PostgreSQL, Linux, FireBase