



Edoardo ABABEI

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PROFILE

I am a 22-year-old Software Developer, diligent and reliable, with practical experience in **full-stack** development and proficiency in modern **web technologies**. In addition to my strong willingness to learn, my core strengths include **active listening skills** and total dedication to the projects I undertake. I am fluent in **Italian, English, and Romanian**, and currently learning **German**.

EDUCATION

USI (UNIVERSITÀ DELLA SVIZZERA ITALIANA), LUGANO, CH

Sep 2022 - Jun 2025

BACHELOR IN INFORMATICS

- **Thesis:** "In-depth analysis of the WebRTC protocol".
- In-depth analysis of the WebRTC protocol, the technology currently underlying almost all modern communication applications.
- Practical implementation to demonstrate API capabilities: a simulation of an audio/video app (Skype style) and a real-time *collaborative drawing* application.

I.I.S. G. VALLAURI, FOSSANO, IT

Sep 2017 - Jun 2022

TECHNICAL DIPLOMA - IT AND TELECOMMUNICATIONS

EXPERIENCE

TEQ SA, LUGANO, CH

Jun 2025 - Present

SOFTWARE DEVELOPER

- Software management for control panels on pharmaceutical machines (autoclaves). The panels are **Linux**-based devices with web apps in **Java** and **TypeScript**.
- Development of **Python** tools to automate code deployment directly to machinery for real-world validation.
- Management of the full project lifecycle: task planning, development management on Git (GitLab), build supervision, and release coordination.
- Direct communication with clients to define and prioritize new features and handle bug fixes.

WEBCHIP, FOSSANO, IT (REMOTE)

Dec 2021 - May 2024

WEB DEVELOPER (FREELANCE)

- Launched and managed a freelance web development initiative, creating custom websites using **HTML, CSS, and JavaScript**.
- Main point of contact for business owners, translating commercial goals into functional digital designs.
- Full-service support, including social media management and ongoing site maintenance.
- Project archive available at: <https://edoardo-aba.github.io/websites/>

OIKOS ENGINEERING SRL, ALBA, IT

Jun 2021 - Jan 2023

SOFTWARE DEVELOPER (FREELANCE)

- Modernization of public services by maintaining **Angular** portals to streamline bureaucratic flows (SUE, SUAP) for Italian municipalities.
- Hands-on engineering role in building a backend in **Vanilla JavaScript** for a citizen issue-reporting tool.

ALMEC S.P.A, DOGLIANI, IT

Mar 2022 - Jun 2022

FULL-STACK DEVELOPER (INTERNSHIP)

- Creation of a machine monitoring solution integrating modems for real-time tracking.
- Design of a user-friendly dashboard in **React.js** for data visualization, stored on **MongoDB**.
- Implementation of backend security (login logic and JWT authentication) in a **Node.js** and **Express.js** environment.

PROJECTS

APPRAISAL MANAGEMENT SYSTEM (TYPESCRIPT, NODE.JS, MONGODB, CORDOVA)

Jun 2023 - Oct 2023

- Developed an **Android app** for real-time uploading of inspection data, including photos, location, and descriptions, to a remote server.
- Integrated geolocation and camera functionality to capture exact inspection locations and attach images with comments.
- Created a server in **Node.js** and configured a database with **MongoDB Atlas** to support scalable and accessible data storage.
- Built an **administrative dashboard** for visualizing inspections on a map, managing users, and accessing inspection details.

SKILLS

LANGUAGES JavaScript | TypeScript | Python | Java | HTML | CSS (SCSS)
FRAMEWORKS React.js | Angular.js | Vue.js
BACKEND Node.js | Express.js | Flask (Python) | SpringBoot (Java)
DATABASES MongoDB | PostgreSQL | MySQL
TOOLS Linux | GitHub | GitLab | Unix Shell | LaTeX

HOBBIES & INTERESTS

I am dedicated to creative writing, drafting short stories focused on narrative themes that fascinate me. In parallel, I cultivate a strong interest in the world of finance and investing, with a particular focus on Blockchain technology and market analysis.