



# Stefano Badalucco

## Senior full stack engineer with strong UI/UX skills.

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### About Me

Enthusiastic Senior Software Engineer with 7+ years building web & desktop apps (React, Python, Vue.js, C#). Thrives on optimizing workflows & user experiences. Eager to join a team and tackle complex problems!

### Education

2013 - 2017  
**Bachelor of Computer Science**  
Politecnico di Milano  
Milan (Italy)

### Skills

**Web**  
Javascript, Typescript, Vue.js, React, Flask, ASP.NET, Express.js (node.js)

**Desktop**  
C#, Electron, Python

**Database**  
MongoDB, MySQL, FireBase

**Softwares**  
Unity3D, Adobe XD, Figma

### Contact

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### Experience

JAN 2021 - TODAY SOLUTHURN, SWITZERLAND  
**Senior Software Engineer**  
**Ovivo Switzerland AG**

Ovivo, a world leader in water purification and treatment, designs, builds, and commissions ultra-pure water systems critical to the electronics manufacturing process.

Responsibilities:

- ✦ Led the front-end architecture and design of our main application.
- ✦ Supporting engineering departments in digitizing processes and evaluating the most suitable technologies.
- ✦ Training junior developer

Achievements:

- ✦ Developed and designed a web application that simulates complex ultra-pure water systems, reducing time, improving standardization, and generating documents. - *Vue.js, Typescript, ASP.NET Core*
- ✦ Developed and designed a desktop application using **Electron** and **Flask** to streamline ultra-pure water analysis. - *Python, Typescript*

MAY 2017 - DEC 2021 TICINO, SWITZERLAND  
**Software Engineer & 3D App Developer**  
**HUGO BOSS TI SA**

Hugo Boss is a fashion brand headquartered in Germany. Pioneering digitalization in fashion, Hugo Boss integrates 3D tech and enhances data analytics to elevate design, production, and customer experience.

Responsibilities:

- ✦ Collaborated with various departments to develop digital tools and automate processes, boosting efficiency.
- ✦ Analyzing business processes to identify opportunities for digital transformation and efficiency improvements.

Achievements:

- ✦ Automated 3D model creation with a Python software, boosting task efficiency by 10x. - *Python*
- ✦ Developed an in-store application for custom product ordering with real-time 3D previews and **Augmented Reality**. - *C#, Unity*
- ✦ Designed and developed web applications that streamline internal operations. - *C#, React, Typescript*



## Languages

Italian	Mother tongue
English	Fluent
German	Beginner (A2)

## Interests

**Coding**, building personal projects to explore new technologies and sharpen my skills

**Rock Climbing**, enjoys the challenge and strategic problem-solving aspects, alongside other athletic activities

**Reading**, enjoys learning and entertainment through books and manga

## Personal Projects

### Desktop environment in the browser

<https://redevil92.github.io/>

- + Developed a web-based application that emulates a desktop environment, providing users with a familiar experience within their browser.
- + Implemented a virtual file system, allowing users to store and manage their own files.
- + Developed various file viewer applications to display different file types within the emulated desktop environment.
- + Designed the application using Vue.js and TypeScript for a performant and maintainable user interface.
- + Developed a communication layer with ASP.NET Core (C#) to facilitate future application integration (backend functionality under development [[link](#)] )

### Learn German web application (In Progress)

<https://github.com/Redevil92/learn-german-app>

- + Building a web application to gamify and facilitate German language learning.
- + Key functionalities include:
  - Interactive dictionary with quick German article (der/die/das) lookups.
  - Engaging exercises to reinforce vocabulary memorization.
  - Planned grammar reference section for easy access to core German grammar rules.
- + Utilizing React for a dynamic and user-friendly front-end experience.
- + Leveraging Flask (Python) for robust back-end functionality.