

MICHELE MOZZO

Junior Web developer

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PROFESSIONAL SUMMARY

I am a **frontend software engineer**, who taught himself into the world of web development. Even if my strength lies in developing **user interfaces** I know how to operate on the **full stack** of web applications. I am passionate about the subject and a **fast learner**, approaching every challenge with an **open mindset**.

My educational **background in Physics** helped me in building my **problem-solving skills**, that I can now apply to every real-life situation. I also developed a **strong logical thinking**, which helps me to approach any challenge with **realistic and pragmatic solutions**.

I am self-motivated and capable of working in a **fast-paced, agile and multidisciplinary environment**.

SKILLS

React.js

Advanced knowledge of the frontend library implemented with **JavaScript** and **TypeScript**

TypeScript

Advanced programming knowledge and working experience

CSS/SCSS

Advanced programming knowledge and working experience

Python

Advanced programming knowledge

MongoDB

Intermediate experience with document-oriented **NoSQL** database program

AWS

Basic knowledge of AWS services

Operating Systems

Linux, Windows, iOS

LANGUAGES

English Italian
Fluent Native

WORK EXPERIENCE

KONE, Junior Frontend Developer

Espoo | Feb 2023

Currently working at KONE as frontend developer Trainee in the R&D team. The project I am taking care of is a web UI that displays real-time data in a digital-twin of a building.

I helped bringing the project from its POC phase to the first release given to the customer.

The technologies I am working with are:

- **React.js** implemented with **TypeScript**.
- **THREE.js** library for display and animation of 3D digital twins.
- **AWS cloud** services are used for hosting, CI/CD, authentication.
- APIs implemented with **Apollo** for **GraphQL**, and **WebSocket** connections.

P3 Financial Group, Software Developer Trainee

Helsinki | Oct 2021 - Nov 2022

I developed both independent applications and worked on already existing ones.

Two major projects I worked on were a form application and a portal application to show and sort data from control center.

The technologies I worked with were:

- **React.js** implemented both in **Javascript** or **TypeScript**.
- **Zod** and **Yup** for form validation, **react-query** for APIs handling, **Chakra-UI** for components ad styling.
- CI/CD pipeline in **Gitlab**.
- **Next.js** framework for UI hosting.
- **Java** in a **Spring Boot** framework for backend adjustment.

PROJECTS

Master's Thesis, Modelling electromagnetic emission from Kilonovae: photosphere and temperature profiles

Trento, Italy | Dec 2020 - May 2021

Developed a **predictive computational model** to study Kilonovae emissions. The simulations have been coded in **Python** working on a Linux OS.

Performed results validation using data analysis methods such as **regression processes**, **chi squared** tests and **autocorrelation computations**.

0x00ff00, Junction 2022, "Green code now you must" CGI challenge

Espoo, Finland | Nov 2022

Developed simple post **blog website** with energy consumption reduction mindset, for a challenge sponsored by CGI at Junction 2022. Our team was composed by three people in total.

Implemented a clean and efficient **UI** using **JavaScript** and **React.js** to cut energy consumption to minimum.

Worked on profiling **energy usage** from **CPU** components to maximize energy efficiency.

The **project placed second** out of the 20+ teams that worked on the challenge.

EDUCATION

M.Sc. in Theoretical and Computational Physics, University of Trento

Trento, Italy | Sep 2018 - May 2021

120 ECTS in "Theory of Fundamental Interactions and Cosmology"

B.Sc. in Physics, University of Trento

Trento, Italy | Sep 2015 - Sep 2018

180 ECTS in the areas of quantum mechanic, statistical physics, computational and mathematical methods