

MATTEO DUCOLI

FREELANCE FULL STACK DEVELOPER AND SOFTWARE ENGINEER

CONTACT

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EDUCATION

Software Engineering - bachelor, 2022
Politecnico di Milano

Liceo Scientifico - diploma, 2015
Madonna della Neve (Adro)

AFS Italy year program - diploma, 2014
**Menntaskólinn á Ísafirði
(Ísafjörður)**

SKILLS

LANGUAGES

Typescript	●●●	Javascript	●●●●
SQL	●●●	Java	●●●●
Python	●●●	C	●●●●

FRAMEWORKS

NestJS	●●●	VueJS	●●●●
R. Native	●●●	NextJS	●●●●

TOOLS

Git	●●●●	GitLab	●●●●
Postman	●●●●	Prisma	●●●●
Rel. DB	●●●●	Doc. DB	●●●●
Docker	●●●●	Sentry	●●●●
AWS	●●●●	VPS	●●●●
Firebase	●●●●	GCP	●●●●

OTHERS

Excel	●●●●	Dialogflow	●●●●
Ollama	●●●●	Docusign	●●●●
Inkscape	●●●●	SparkAR	●●●●

LANGUAGES

Italian	English	Spanish
Native	C2	C1

PROFILE

I'm a freelance full stack engineer specialized in backend and data-driven development, passionate about innovation, always ready to expand my skill set. Born in 1996 in Italy, raised a nerd on science, math and video-games. I started coding with Small Basic when I was 13 and now I develop in various languages and environments, always focusing on simplicity, flexibility and extensibility. In my free time I manage websites, play Ice Hockey and volunteer as a first-aid for C.O.S.P. Bovezzo. CPR and AED certified by ANPAS.

WORK EXPERIENCE

Tutor

Politecnico di Milano

June 2024

- Prepared a 15 hours Python course and tutored 30 students developing 10 video games.
 - PyGame, basic physics engines.

Freelance Backend Engineer

Dootbox (car rental, B2B and B2C mobile app)

November 2023 - September 2024

- Managed the already existing backend for the mobile app Dootbox. Lead the development during a business pivot. Implemented new business requirements in a complex NestJS environment.
 - REST, NestJS, MongoDB, Docker, AWS EKS-EC2-S3, GitLab, Sentry, Docusign and more.

Freelance Backend Engineer

App for tourism (online travel platform and agency, B2B and B2C platform)

August 2021 - August 2023

- Designed the architecture of a full stack application for tourism. Actively helped framing the ideas of the founders of the Travel startup, with the objective of raising funds for the development of an initial product.
 - Supabase, NodeJS, Typescript, VueJS, OpenStreetMap, Amadeus APIs, GISs and more.

FabTech Executive

PUIG - Barcelona (fragrances and luxury goods)

December 2019 - January 2021

- Designed and developed a DBMS and a cloud application supporting Wikiparfum.com. The application and the data structures were created to meet the directives of the perfumers' team. VueJS, NodeJS, AWS Lambda and others, MySQL and more.

Developer Intern

Bestiario_ - Barcelona (data design and innovation)

May 2019 - December 2019

- Developed different solutions in the context of Wikiparfum.com. Mainly worked on the platform REST api and data quality. VueJS, NodeJS, Java and more.

Innovation Intern

PUIG - Barcelona (fragrances and luxury goods)

October 2018 - April 2019

- Digitization of perfumes' knowledge, voice assistance technology, design of a new data structure for AirParfum. I helped the head of Innovation preparing the first showcase of the team's pilot projects. Javascript, Dialogflow, Alexa and Google Assistant API, GCP BigQuery and more.

NestJS, Nuxt - management app (2024-curr)

Wordpress Developer (2023-curr)

Self hosted RAG, personal project (2024)

Reporting Excel Add-in, personal project (2024)

Colyseus - web game, personal project (2023)

ChartJS Covid report, personal project (2021)

Innovaprofessionisti, Technology teacher (2021)

BEST Milano, Vice president (2018)