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	●●●	ThreeJS	●●●
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-aider 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)*
Innovaprofessioni, *Technology teacher (2021)*	**BEST Milano,** *Vice president (2018)*