MATTEO PELLEGRINO

Software Engineer

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WORK EXPERIENCE

Software Engineer   **buildo** ⧉ , Milan

`Typescript` `React` `Scala` `Go` `Node` `Kubernetes` `Docker`   Mar 2021 - Present

- Cloud development PaaS solution via K8s: enable developers of 4 teams to run their application outer loop with IAM federation.
- Internal ownership of AI technologies, facilitating the adoption of tools and tech stacks among peers. Successfully executed 2 improvement projects, enhancing development workflows.
- Fullstack development of an AI-based Conversational Intelligence feature for an online sales platform startup. Enabled the initial end-users to access intelligent insights for their sales calls.
- "Know Your Customer" service with Identity Providers federation fullstack development. Empowered developers to create KYC flows through a dedicated SDK.
- Maintenance of an open-source React type-safe form management library.
- Open ID Connect authentication system to federate Identity Providers for a multi-tenant cloud app.
- Fullstack development of a data-entry intensive platform designed for the programmatic management and execution of Excel files.
- Frontend development for a bank front-office app with a focus on Design System and multi devices flows.

Machine Learning & Computer Vision Research Intern   **Datalogic** ⧉ , California USA

`Python` `Docker` `MongoDB` `OpenCV`   Jan 2020 - Jul 2020

Empower the research team to create image-based artificial datasets for conducting ML experiments.
- API development for synthetic image generation and augmentation.
- SDK development for generating and managing artificial datasets.
- Containerized deployment.

EDUCATION

Master of Computer Engineering   **University of Bologna**

📋 110/110 cum laude   📅 2018 - 2021

Specialization in Artificial Intelligence and Cloud Infrastructures

Bachelor of Computer Engineering   **University of Bologna**

📋 104/110   📅 2015-2018

Specialization in Web Technologies

SIDE PROJECTS

Espanso Hub ⧉   **espanso/hub-frontend**

`Next.js` `Typescript` `React`   Nov 2021 - Present

- Developed the official Espanso Hub web application to search and explore Espanso packages, expanding accessibility to users (hundreds of weekly visits).
- Contributed to a community of hundreds of members and thousands of users.

Night Focus ⧉   **arabello/night-focus**

`Next.js` `Typescript` `React`   Feb 2023 - Present

- Developed a SSG web application for customizable auditory experiences of ambient sounds to enhance work focus.
- Recorded and post-processed ambient sounds for integration into the application.
- Designed an opinionable UX with interactive keyboard shortcuts

Dokey ⧉   **arabello/dokey-android**

`Android` `Kotlin`   Nov 2017 - Feb 2019

- Developed an Android mobile application with a focus on performant and reactive layout
- Designed UX/UI for desktop and mobile applications, brand, and website
- Participated in the AlmaCube program, the incubator of the University of Bologna, to learn about the startup landscape and business development.