

# MATTEO PELLEGRINO

Software Engineer

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## WORK EXPERIENCE

### Software Engineer


 [buildo](#), Milan

Mar 2021 - Present

[Typescript](#) [React](#) [Scala](#) [Go](#) [Node](#) [Kubernetes](#) [Docker](#)

- 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

Jan 2020 - Jul 2020

[Python](#) [Docker](#) [MongoDB](#) [OpenCV](#)

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

### Espano Hub


 [espano/hub-frontend](#)

Nov 2021 - Present

[Next.js](#) [Typescript](#) [React](#)

Espano is a privacy-first cross-platform text expander written in Rust. I built Espano Hub as the official web application to search and explore Espano packages.

### Night Focus


 [arabello/night-focus](#)

Feb 2023 - Present

[Next.js](#) [Typescript](#) [React](#)

A customizable auditory experience to mix hand-picked ambient sounds, with a picky user experience to reconcile work focus.

### Dokey

 [arabello/dokey-android](#)

Nov 2017 - Feb 2019

[Android](#) [Kotlin](#)

Dokey is a productivity app for professionals. The project was involved in the startup program of AlmaCube incubator in Bologna. During this experience, I learned about the startup environment and lean approach, enforced my Android/Kotlin skills, and took care of the platform and brand UI/UX design.

### SAM

 [arabello/sam](#)

Feb 2019

[Scala](#)

Scala source code scraper aimed to retrieve module-level metrics based on the Clean Architecture concepts from the homonymous book by Robert Martin.

### KSLI

 [arabello/ksll](#)

Apr 2018 - Jul 2018

[Android](#) [Kotlin](#)

Bachelor's degree thesis: design and development of an Android module to dynamically download and run Android/Kotlin code with runtime digital signature checking.