

Matteo Pellegrino

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Experience

Software Engineer

Mar 2021 - present
buildo srl, Milan, Italy

Full Stack: Typescript, React, Node, Scala, functional programming.

DevOps: Kubernetes, Docker, Buildpacks.

Requirements gathering and discovery analysis.

Apr 2022 - present

International-team design of a multi-region and multi-tenant **PaaS** solution for developing and deploying **cloud-native** applications.

- Inner and Outer loop platform services design and implementation
- IAM Service integration federating external Identity Providers

Kubernetes OIDC DevSecOps tools Docker

Jan - Mar 2022

Discovery and design analysis of an R&D medical standalone software: user research, requirements gathering, prioritization, etc.

Electron Requirements Gathering Discovery Analysis

Nov 2021 - Jan 2022

Open ID Connect-based **authentication system design** and PoC implementation to federate external Identity Providers for a multi-tenant cloud app.

dex Kubernetes React Node

Oct 2021 - Mar 2022

Internal open-source project maintenance: formo, a type-safe **React** form state management **library**.

React Typescript

Mar - Nov 2021

Development of a large **frontend** application for an international bank involving complex user flows and development of **Design System** components.

Typescript React Storybook

Machine Learning & Computer Vision Intern

Jan 2020 - Jul 2020
Datalogic USA
Pasadena, California

Synthetic image generation/augmentation **API development**. Design and implementation of an SDK to generate and manage **artificial datasets** with containerized deployment

python opencv docker

Full-stack Developer Intern

Jul 2014 - Sep 2014
Multitraccia SC
Reggio Emilia, Italy

Development of an appointment scheduling application as a summer internship.

PHP

Education

Master of Computer Engineering

University of Bologna
2018-2021
110/110 cum laude

Bachelor of Computer Engineering

University of Bologna
2015-2018
104/110

IT Upper-secondary Diploma

I.I.S. Blaise Pascal
2010-2015
100/100 cum laude

Languages

Italian Native Speaker

English Professional working proficiency IELTS Academic 7.0 (CEFR C1)

Miscellaneous

Espanso Hub

Nov 2021 - present

Espanso is a privacy-first cross-platform text expander. Espanso Hub is the official web application, built using [Nextjs SSG](#) technology, to search and explore Espanso packages.

<https://hub.espanso.org/>

Dokey

Nov 2017 - Feb 2019

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](#)

<https://www.matteopellegrino.me/dokey-web>

HN Read Time

Nov 2019

Chrome extension showing read time preview of Hacker News articles. Being a constant HN reader, I built this tool to immediately know how much time an article will take to be read. I also got the opportunity to learn more about [web scraping](#).

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SAM

Feb 2019

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

<https://github.com/arabello/sam>

KSL

Apr 2018 - Jul 2018

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

2018- 2019

I took part upon selection to the University of Bologna [Startup Incubator](#).

2019

I took part upon selection to the event "F-Factor: The Ferrari Case Study".

2016

Lectures of an [Android programming course](#) at my upper-secondary school.

2016 - 2017

Organizer at the Reggio Emilia [Google Developers Group](#) community.