

Matteo Pellegrino

I am a product-oriented **Web Software Engineer** specialized in full-stack development for scale-ups. I profoundly care about business impact as well as UX & UI while keenly nerding on the software architecture and technical details. I thoroughly enjoy bootstrapping and scaling up digital products.

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Experience

Software Engineer

Mar 2021 - present
buildo srl, Milan, Italy

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

DevOps: Kubernetes, Docker, Terraform, AWS.

Requirements Gathering and Discovery.

May 2023 - Present

AI assisted tools **ownership**: I am responsible to facilitate the company internal usage and improvement of AI-enabled tools.

May 2023 - Present

Full-stack development of a platform to interface with and manage Excel models.

Scala Typescript React Design System

Feb 2023 - May 2023

End-to-end development of **AI-based Conversational Intelligence** product features for online meetings video recording, including requirements gathering, design, and full-stack implementation.

Go HTMX AWS Terraform AI Prompt Engineering

Sep 2022 - Feb 2023

“Know Your Customer” **backend service** and client **Typescript SDK** (Vanilla + React) federating multiple Identity Providers

Go OpenAPI Docker Typescript React

Apr 2022 - Sep 2022

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

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

Kubernetes OIDC OAuth2 DevSecOps tools Docker

Jan - Mar 2022

Discovery and design analysis of an R&D medical standalone software

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.

Node OIDC OAuth2 Kubernetes React

Oct 2021 - Mar 2022

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

Typescript React

Mar - Nov 2021

International-team development of a large bank **frontend** application involving complex user flows and a custom **Design System**.

Typescript React

Machine Learning & Computer Vision Intern

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

Jan 2020 - Jul 2020
Datalogic USA
Pasadena, California

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. I'm the creator and maintainer of Espanso Hub 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**.

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

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.