Matteo Pellegrino

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github.com/arabello

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Experience

Software Engineer Mar 2021 - present buildo srl, Milan, Italy	Full Stack: Typescript, React, Node, Go, Scala, functional programming. DevOps: Kubernetes, Docker, AWS, Terraform, Buildpacks. Requirements Gathering and Discovery Analysis
Sep 2022 - Present	"Know Your Customer" service Backend and client SDK 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 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. 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`

KSLL
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.