

# Marco Catapano

## Software Engineer

10 years of experience in backend application development. I spent these years with the intent of getting continuously better in software engineering. I have always had and I still have curiosity towards languages in order to improve everyday; learning is a never ending process, especially in IT.

## Experience

current - 2022/05	<b>Software Engineer @ Trade Republic</b> <ul style="list-style-type: none"><li>Maintain, extend, design, and develop backend systems for Web and Pro trading</li><li>Go-to person for the instrument search, appropriateness testing, and portfolio chart systems</li><li>Shipping end-to-end features, from RFC to ADR to production and monitoring</li><li><b>Tech:</b> Kotlin, Spring, VertX, GH Actions, ScyllaDB, Elasticsearch, Kafka, Redis, PostgreSQL, RabbitMQ, Snowflake, Docker, k8s, LGTM stack, AWS</li></ul>
2022/04 - 2021/05	<b>Software Engineer @ Prima Assicurazioni</b> <ul style="list-style-type: none"><li>Develop Agents' platform Backend in Rust</li><li>Develop Agents' platform Frontend in Elm</li><li><b>Tech:</b> Rust, Docker, Elm, GraphQL, k8s, RabbitMQ, PostgreSQL, Datadog</li></ul>
2021/05 - 2018/09	<b>Software Engineer @ Extra Red</b> <ul style="list-style-type: none"><li>Develop Apache Camel routes</li><li>Develop Spring REST services</li><li>DevOps engineering with OCP 3.x and Jenkins</li><li><b>Tech:</b> Camel, Spring, Jenkins, OCP, Docker, Java8+, GitLab, RDBMS, ActiveMQ</li></ul>
2018/05 - 2016/09	<b>Backend Developer @ M.E.T.A. Srl</b> <ul style="list-style-type: none"><li>Develop features in digital publishing back-ends</li><li>Extending websites of cultural authorities</li><li><b>Tech:</b> PHP, MySQL, Solr, Git, GitLab, Bash</li></ul>
2016/08 - 2015/12	<b>Backend Developer @ Siter Srl</b> <ul style="list-style-type: none"><li>Extend company main product either by changing the codebase or by creating external executables (e.g. SOAP consumers, IMAP desktop apps, etc.)</li><li><b>Tech:</b> VB6, C#, Java 7, .NET 4, RDBMS</li></ul>
2015/10 - 2015/07	<b>Internship @ Siter Srl</b> <ul style="list-style-type: none"><li>Develop a SOAP service and consumer for the company's main product DB</li><li><b>Tech:</b> VB6, C#, Java 7, .NET 4, RDBMS</li></ul>

## Misc.

In compliance with the GDPR and Italian Legislative Decree no. 196 dated 30/06/2003, I hereby authorize the recipient of this document to use and process my personal details for the purpose of recruiting and selecting staff and I confirm to be informed of my rights in accordance to art. 7 of the above mentioned Decree.

## About me

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[LeetCode](#)  
[Personal Website](#)

## Tech skills

### Languages

Kotlin, Java, C#, Rust, VB, PHP

**Basic knowledge:** Elm, Python, Golang, sh, F#, C, JS

### Frameworks/libraries

Spring, VertX, Quarkus, Apache Camel, .NET Core, Actix Web, Kafka Streams, Selenium

### Tools

Maven, Gradle, NuGet, Cargo, Pip, Git, Docker, IntelliJ IDEA, VSCode, Visual Studio, Insomnia, Postman, Paw, Claude code

### Platforms

OCP, Kubernetes, AWS, EAP, GitHub, GitLab, Quay.io, Kafka, Datadog, Jira, Terraform, PostgreSQL, MySQL, Redis, Elasticsearch, ScyllaDB, Terraform, SonarCloud, RabbitMQ, ActiveMQ, JBoss Fuse

## Spoken languages

**Italian:** native

**English:** C1+

## Education

### Bachelor's Degree in CompSci

@ University of Pisa

**Score:** 110/110 - with honours

**Subjects:** algorithms, data structures, FP, OOP, basic math, formal languages, RDBMS, computer arch, networks

### Business, Accounting, Programming ("Mercurio" project)

@ I.I.S.S. Antonio Pesenti

**Score:** 100/100 - no honours

**Subjects:** economics, applied math, IT