

Tommaso Pifferi

SOFTWARE ENGINEER

Milan, Italy

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Summary

I'm a passionate full stack developer, with special interest in the latest web technologies. I think of myself as a good problem solver, always having the big picture in mind, while also being able to dive down into the tiny little details.

I started as a frontend developer using Python and Javascript, then I moved to backend programming and distributed systems, using many different technologies. I have experience in Rust and Typescript, but also in more niche languages like Elixir and Elm.

Work Experience

Prima Assicurazioni S.p.A

Milan, Italy

SOFTWARE ENGINEER

Nov. 2018 - Present

- Worked on the core Claims Management system, written in Elixir and Elm, which hosts hundreds of thousands of claims and processes hundreds of millions of euros in claims compensations every year.
- Developed libraries, microservices and services in either Elixir or Rust, to support the internal claims department with third-party integrations: regulatory entities, bank payments systems, physical mail delivery services.
- Developed a service in Rust and React to allow external car body repair shops to handle their appointments and help them interact with the internal claims department.
- Set up message queues for asynchronous processing of messages using RabbitMQ, and used them to feed data into Redshift and other Business Intelligence tools.
- Worked on the Datadog integration to help collect infrastructure and business metrics, and implemented distributed tracing using the OpenTelemetry standard.

Banca Popolare di Puglia e Basilicata

Altamura, Italy

SOFTWARE ENGINEER CONSULTANT @ BANK

May. 2018 - Nov. 2018

- Gathered business requirements to help an enterprise organization transition to a software-based HelpDesk and Knowledge Base system.
- Implemented a tailor-made solution for the client that involved the development of several C# modules, used both for frontend interactions as well as for application analytics.
- Deployed said solution on the client on-premises infrastructure, along with custom modules for performing SSO.

Law Engineering Systems

Siena, Italy

SOFTWARE ENGINEER CONSULTANT @ LEGALTECH STARTUP

Nov. 2017 - May. 2018

- Implemented a frontend in Javascript aimed at visualizing different versions of the same law, in a git-like fashion.
- Implemented backend services to gather legal data and expose it to the frontend using an API, made with Django and GraphQL.

Scloby

Turin, Italy

CURRICULAR INTERNSHIP

Apr. 2015 - Jul. 2015

- Implemented E2E tests for an application built with Javascript and Cordova, which ran on tablets used by customers to handle their shop's orders, invoices, stock, etc.
- Worked on several sections of the AngularJS frontend to add features and perform bug fixes.

Education

Politecnico di Torino

Turin, Italy

B.S. IN COMPUTER SCIENCE AND ENGINEERING

Sep. 2012 - Mar. 2016

Honors & Awards

INTERNATIONAL AWARDS

2017 **3rd Place**, European Innovation Academy (EIA)

Turin, Italy