



# Giovanni Ravalico

## Software Engineer

I am a Software Developer with over a decade of experience, dedicated to the principles of Software Craftsmanship. I believe in writing clean, testable code that evolves gracefully over time, applying practices from Extreme Programming (XP) like TDD and continuous refactoring. My focus extends beyond merely adding features—I aim to create maintainable systems and deliver lasting value through quality software. As a problem solver who values simplicity and professional responsibility, I thrive in environments that encourage experimentation, continuous learning, and collaborative improvement of both product and codebase.

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## WORK EXPERIENCE

### Backend Engineer

#### Caya Gmbh

02/2023 - 04/2024

Berlin, Germany

Documents collaboration platform

##### Achievements/Tasks

- Owned and maintained the customer-facing GraphQL API (Node.js/AWS ECS), serving as the primary entry point for client requests, handling authentication, authorization, and resolving queries, mutations, and subscriptions.
- Collaborated across Caya's hybrid backend architecture (serverless functions and containerized microservices).
- Owned and maintained CI/CD pipelines using GitHub Actions, ensuring efficient and reliable delivery of software updates.
- Championed and implemented RFC and ADR processes, improving decision-making, knowledge sharing, and reducing project risks.
- Supported backend re-architecture using Domain-Driven Design (DDD) principles, implementing code within newly defined bounded contexts and applying layered architecture.
- Tech: [Typescript, Node, GraphQL, Jest, Express.js, Apollo Server, Prisma, MySQL, AWS Lambda]

Contact : Arnaud Seilles (CTO) - arnaud.seilles@getcaya.com

### Senior Frontend Engineer

#### Caya Gmbh

02/2022 - 01/2023

Berlin, Germany

##### Achievements/Tasks

- Orchestrated front-end development for multiple product domains, covering both discovery and delivery phases.
- Translated product ideas into technical requirements and user stories.
- Mentored junior developers in TDD, BDD, and design patterns.
- Championed a collaborative, cross-functional team structure that pioneered a vertically integrated development model.
- Tech: [Typescript, React, Jest, Testing Library, Storybook, GraphQL, Apollo Client, styled-components]

Contact : Arnaud Seilles (CTO) - arnaud.seilles@getcaya.com

## TECHNICAL SKILLS

### Programming Languages

TypeScript, Scala (beginner), Rust (beginner), Kotlin (beginner), C (beginner), SQL, GraphQL,

### Methodologies

Agile, Extreme Programming (XP), Kanban, Domain-driven design (DDD), Cross-functional teams, CI/CD, TDD, Pair programming

### Concepts

Functional programming (FP), Object-oriented programming (OOP), Clean Code Principles & Architecture

### Back-end

Node, Next.js, Remix, Express, GraphQL, RESTful APIs

### Databases

PostgreSQL, MySQL, SQLite, MongoDB, Redis, Firebase Realtime

### Front-end

Semantic HTML, CSS, React, React Native, Redux, XState, Apollo, Storybook

### Tools

Git, Docker, CircleCI, GitHub Actions

## EDUCATION

### Full Stack Web Development

#### SPICED Academy

06/2017 - 09/2017

Berlin, Germany

Coding Bootcamp (Full Stack Web Development)

- Work with responsive design using HTML, CSS, and JavaScript.
- Create exciting, interactive web apps and animations using native browser APIs as well as the jQuery library.
- Build server-side JavaScript applications using Node.js and learned to use third-party APIs to create exciting dynamic web pages.
- Create powerful single-page web applications with front-end frameworks such as React and Backbone.

## WORK EXPERIENCE

### Software Developer

#### Bettermarks GmbH

04/2021 - 10/2021

Berlin, Germany

EdTech company developing adaptive learning platforms for interactive math books

##### Achievements/Tasks

- Maintained and improved Exercise Web App (TypeScript, React, Redux) by addressing technical debt and fixing bugs.
- Contributed to rewriting legacy compiler from ActionScript to Kotlin by converting unit test suite and implementing validation processes.
- Introduced and implemented Dual-Track Agile and refactored Jira issue tracking system.
- Enhanced development processes by championing the adoption of Sentry for real-time error tracking.
- Advocated for ARC42 documentation and Domain-Driven Design workshops to improve system understanding.
- Tech: [Typescript, ActionScript, Kotlin, React, Redux, Jest, Cypress, MongoDB]

Contact : York Zalander (CTO) - [york.xylander@bettermarks.com](mailto:york.xylander@bettermarks.com)

### Senior Frontend Engineer

#### ToolTime GmbH

09/2019 - 02/2020

Berlin, Germany

B2B SaaS helping craftsmen tackle administrative tasks digitally

##### Achievements/Tasks

- Design, build, scale, and maintain ToolTime's software solutions.
- Help to shape the technical areas of the product.
- Work closely with product managers, product designers, front-end, and backend engineers.
- Help to grow and develop the front-end team, playing a role in hiring new team members.
- Foster a culture of continuous delivery, pair programming, and test-driven development.
- Solving challenging problems in the areas of communication & chat, scheduling & disposition, routing & navigation, order management, and documentation.
- Tech: [ Typescript, React and React Native, CSS-in-JS, GraphQL, Redux, RxJs, Apollo, Jest, Cypress ].

Contact : Slawomir Smiechura (VP of Engineering) - [slawomir.smiechura@tooltime.de](mailto:slawomir.smiechura@tooltime.de)

### Full Stack Developer

#### Appico GmbH

01/2018 - 02/2019

Hamburg, Germany

Digital Product Design Studio

##### Achievements/Tasks

- Led front-end team development of Carie™, a telemedicine platform for the US market.
- Reduced bug reports by enabling adoption of typed JavaScript (Flow) and mentoring team members.
- Built Progressive Single Page App (PWA) with React, Redux, and Apollo on AWS Serverless infra.
- Fostered a "component-driven development" approach, coaching both designers and peers.
- Developed a React Native boilerplate, reducing prototype development time.
- Organized knowledge transfer on mobile app development with React Native.
- Tech: [TypeScript, Flow, React, React Native, Redux, Apollo, GraphQL, styled-components, Jest, AWS]

Contact : Arvid Gerstmann (CTO) - [arvid.gerstmann@appico.com](mailto:arvid.gerstmann@appico.com)

## EDUCATION

### Disciplined Entrepreneurship

#### Innovation Factory

04/2015 - 05/2015

AREA Science Park, Italy

Business Bootcamp (Disciplined Entrepreneurship)

- Learned how to transform innovative business ideas into real products and services.
- Applied innovation-driven entrepreneurship process to develop a B2B startup in the real estate industry.

### History

#### Università degli studi di Trieste

2011

Trieste, Italy

##### Courses

- Completed 90% of required credits toward Bachelor of Arts in Modern History

## LANGUAGES

### English

Full Professional Proficiency

### Italian

Full Professional Proficiency

## INTERESTS

I am an avid technical reader. I enjoy reading about software patterns, design, and architecture.

I'm language-curious; my gaze is set on the functional side of the language spectrum with the end goal of, one day, picking up Haskell.

I find making stuff fulfilling, be it in the workshop, the kitchen, or the garden.