



# Giovanni Ravalico

## Senior Frontend Engineer

I am a Software Developer, a geek and, more generally, a problem solver. I am also a young father of two and a devoted husband. My transition from the social sciences to software engineering has enhanced my innate curiosity, my pragmatic approach, and desire to find new ways to solve old problems. I'm looking to work in an environment where I can continuously grow as a developer, where experimentation is encouraged, and where I can tackle the hardest problems.

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## WORK EXPERIENCE

### Senior Front-end Engineer

ToolTime GmbH [↗](#)

09/2019 - 02/2020 Berlin, Germany  
*ToolTime is a B2B SAAS that helps craftsmen to tackle all administrative tasks of their business 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 ].

### React Native Developer

Appico GmbH [↗](#)

01/2019 - 02/2019 Hamburg, Germany  
*Digital Product Design Studio*

#### Achievements/Tasks

- Enable a new service offering to our customers by researching and studying mobile app development with React Native.
- Organize the knowledge transfer to the rest of the team. Build several in house prototypes to illustrate commonalities and differences with regular web development.
- Reduce the time needed to go from idea to prototype by developing a boilerplate project setup based on best practices and company requirements.
- Tech: [ TypeScript, React Native, Redux, Storybook, Apollo, GraphQL, styled-components, Lottie, Jest ].

## TECHNICAL SKILLS

### Programming Languages:

TypeScript, Flow, JavaScript (ESNext), SQL.

### Methodologies:

Agile, Kanban, Domain-driven design (DDD), Cross-functional teams, Continuous Delivery (CD), Continuous Integration (CI), Test-driven development (TDD), Pair programming, Timeboxing, Refactoring.

### Concepts:

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

### Front-end:

Semantic HTML, Canvas, CSS (SCSS, CSS-in-JS), React, React Native, Redux, XState, Apollo, Storybook, Polymer, Backbone, Gatsby.

### Back-end:

Node, Deno, Express, Koa.js, Next.js, Sails.js, Keystone.js, Handlebars.

### Libraries:

Jest, Cypress, fp-ts, Underscore, Lodash, Lodash/fp, Ramda, Sanctuary.js, RxJS, XState, JQuery, webRTC, Socket.io.

### Databases:

PostgreSQL, MongoDB, Waterline, Redis, Firebase Realtime.

### APIs:

GraphQL, RESTful.

### Tools:

Git, Docker, CircleCI, GitHub Actions.

## WORK EXPERIENCE

### Full Stack Web Developer

Appico GmbH [↗](#)

01/2018 - 12/2018

Hamburg, Germany

Digital Product Design Studio

Achievements/Tasks

- Design, build and maintain the MVP for Carie™, a telemedicine platform for the US market. Carie™ enables doctors to interact with patients and other doctors remotely by scheduling appointments and allowing messaging, video consultation, online medication prescriptions, and file sharing.
- I lead the front-end team by informing good software design and architecture decisions; by managing the project tasks and issues; by delegating the load to the most effective developer.
- I reduced the number of bug reports by enabling the adoption of a strongly-typed superset of JavaScript. I tutored my teammates in the process of learning Flow with pair-programming and code reviews.
- I enabled a resilient user experience by building a Progressive Single Page App (PWA) with React, Redux, and Apollo.
- I streamlined the design to code the implementation process by fostering a “component-driven development” approach. To achieve so, I coached both designers and my peers.
- Tech: [ TypeScript, Flow, React, SCSS, Redux, Storybook, Apollo, GraphQL, styled-components, Jest, Twilio, AWS IoT, Serverless, Node, AWS Lambda, Docker ].

### Front-end Web Developer

MadeByEnka

10/2016 - 06/2017

Rijeka, Croatia

Handmade Fashion ecommerce

Achievements/Tasks

- Co-founded and managed a Lifestyle brand with my wife.
- Designed, developed and implemented the brand online presence by building the frontend on top of Shopify service.
- Tech: [ JS, HTML, CSS, JQuery, Shopify ].

### Front-end Web Developer

Ravalico Real Estate s.a.s.

10/2015 - 10/2016

Trieste, Italy

Real Estate Agency

Achievements/Tasks

- Helped the company in its modernization process by pivoting its business model from brick and mortar to an online-first presence.
- Architected, designed, and code multiple iterations of an in-house real estate CMS web app.
- Tech: [ WebComponents, Polymer, Firebase, Sails.js ].

## PERSONAL PROJECTS

suddenlyGiovanni.dev (06/2020 - Present) [↗](#)

- My personal blog where I explore software engineering and *functional programming* within the confines of *TypeScript*.
- JAM Stack Website, built with Gatsby, TypeScript, React, and deployed with Netlify.

yet-another-json-parser (03/2020 - Present) [↗](#)

- TypeScript program able to parse text against the JSON Grammar rule. It works as a look-ahead left to right (LALR) bottom-up language parser.
- It accepts a string of characters that might or might not contain a valid JSON syntax.
- It runs both lexical and syntactic analysis on the given string.
- It then outputs an abstract representation of the string in the form of an Abstract Syntax Tree (AST).

learning (2015 - Present) [↗](#)

- My personal **learning** monorepo.
- It contains multiple sub repositories regarding different subjects that, at one point, I have decided to explore.

## 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.
- Tech: [ Semantic HTML, CSS, JavaScript, Node, SQL, PostgreSQL, React, Redux, Express, Backbone, WebSockets ].

### 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.