

# Mauro Bieg

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Zürich, Switzerland

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Born: September 28, 1988 in West Berlin

Citizenship: Swiss



## Summary

Computer Scientist with a passion for abstractions, problem solving and processes. Has a “getting things done” attitude and experience working in multidisciplinary teams and startups.

## Education

2013-2014: Master of Computer Science at ETH Zürich

2008-2013: Bachelor of Computer Science at ETH Zürich

2005-2006: Exchange year in Norway (high school in Kristiansund)

2003-2008: High school: Kantonsschule Romanshorn, Switzerland

1995-2003: Basic education in Horn, Switzerland

## Employment

### Since 2018: Software engineer at *Fision Technologies*, Zürich, Switzerland

Fision Technologies is a startup with currently around 20 employees. The product is a mobile app and accompanying back-end. End-users use the app to take photos of their body, from which a 3D-model is constructed, which is used to give size-recommendations for clothes when online-shopping on one of our customers' online stores.

I'm part of the seven-people platform-team, that's tasked with continuously delivering the software into production. I've been working on both the front-end (React, TypeScript, GraphQL) and the back-end services. The latter are implemented using Python (Falcon and SQLAlchemy), exposed as REST APIs and run on Google's Kubernetes Engine.

### 2015-2018: Co-founder and full-stack developer of *2324.ch*, Zürich

My co-founder (a graphic designer) and I won an Impact Hub Zürich Fellowship with the idea of 2324.ch – a participatory hyper-local online news-platform. We quickly on-boarded a marketing/sales guy and soon acquired four paying municipalities. Unfortunately, that was not enough to sustain our growth vision, so we decided to put the project on hold in 2018, currently pending take-over.

In addition to forming our team and product strategy, I implemented both front- and back-end of the online platform. My decision to go with a simple and proven stack (Ruby on Rails, PostgreSQL and some React) served us well, and allowed us to quickly iterate on the product.

#### **2017-2018: Haskell developer for [qua-kit](#), Chair of Information Architecture, ETH Zürich**

In my part-time work, I supported Artem Chirkin, then a PhD student, in continuing the development of qua-kit, a web-based platform that assists urban designers in their design process.

I worked on both the front- and back-end, which were implemented using [Reflex](#) (via GHCJS) and [Yesod](#) respectively.

#### **Previous jobs**

2015: Software engineer at [mp technology](#), Zürich

2014: Internship at [Silk](#), Amsterdam, The Netherlands

2011-2014: Webmaster of the Departement of Computer Science at ETH Zürich

2012: Summer internship at *28msec*, Palo Alto, California, USA

#### **Select Projects**

Since 2014: [regular contributor](#) to [pandoc](#), a universal document converter – Haskell

2019: [PanWriter](#), a Markdown editor with pandoc integration – PureScript, JS, Electron

2018: [bildungsgeschichte.ch](#) – front-end, React

2018: LED matrix display for Impact Hub Zürich – Python on Raspberry Pi

2017-2019: [boomerangideas.com](#) – full-stack, Ruby on Rails on AWS

2014: [Master thesis](#): a GUI tool to map any JSON-based Web API, plus a Node.js-based server to access it as if it were a HAL Hypermedia API

2014: [www.nachhaltigkeitswoche.ch](#) – Web Design, ProcessWire CMS

#### **Know-how**

Open source code: [www.github.com/mb21](https://github.com/mb21)

Active on [www.stackoverflow.com/users/214446/mb21](https://www.stackoverflow.com/users/214446/mb21) (>19k reputation)

Good knowledge of version control workflows (using Git) and macOS/Linux utilities

Languages: Haskell, PureScript, JavaScript, Python, Ruby, Java, PHP, C/C++, HTML, CSS, SQL

Writing: [mb21.github.io/blog](https://mb21.github.io/blog), articles for the [Free Software Magazine](#)

#### **Languages**

German: native language

English: Cambridge Certificate in Advanced English Grade A

Norwegian, Swedish: fluent

French: basic knowledge