

Tomáš Heřman

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🎂 Date of Birth	21 st February 1989	✉ Email	tomas.herman@gmail.com
🏳️ Nationality	Czech	🐙 GitHub	github.com/tomasherman
		🗣 Languages	Czech - Native English -> Very good

Open source

datadog4s Monitoring library for Cats-Effect based scala application.

Employment History

Aug 2019 - Present [Avast Software, Prague](#)
Team Lead, Senior Software engineer

Promoted to the position of Team lead of 3 (and later 6) backend-developers. In addition to Team Lead duties (1 on 1s, Sprint plannings, hiring (for mine and other teams) etc), I also spent a lot of time talking to Product about new features, improvements and ideas. I helped design said features and make sure they get implemented on time and in adequate quality. I took care about make sure that estimates are realistic and what we commit to is feasible and relevant.

Technologies: Scala, Cassandra, Kafka, RabbitMQ, Netty, Http4s, cats-effect, Netty, Kubernetes, Helm, AWS, Terraform

Mar 2016 - Aug 2019 [Avast Software, Prague](#)
Software Engineer

As a Software Engineer I worked on many different services, all related to providing/processing data to/from Avast Anti Virus. In addition to coding, I played a big role in introducing Functional Programming to engineers that were already working in *Scala as a better Java* mode.

To do that, I (with few others) prepared many talks, libraries, workshops etc. to introduce FP concepts/techniques to my colleagues. Some interesting projects I worked on:

- DNS proxy written in Netty & Scala
- System for scanning Android APKs from Avast partners
- High throughput, highly cost-sensitive websocket server for [Avast Omni](#) project

In addition to SW Engineer workload I've been part of a L1 on-call rotation for automated tests and monitors.

Technologies: See Above

2014 - Feb 2016 [Golem Trading for Wikidi, Prague, Czech Republic](#)
Software engineer

I returned to Wikidi to work in a very small team on Golem trading platform. I worked on *Trader* app which made decision about trading and I also wrote an UI for the founder/thought leader to watch/control what the trader is doing. Eventually I became the lead for the platform.

Technologies: Java, Kotlin, [FIX](#), ReactJS, Google Sheets updated via Python

2013 - 2014 [Spinoco, Prague, Czech Republic](#)
Solution Designer

Worked as a full-stack (but mostly back-end) developer in a small team on a Telco app, which used very advanced Scala concepts/tools like scalaz-streams or ScalaJS. In addition to developer work I also had a chance to interact with clients and even attended a sales meeting.

Technologies: Scala(JS), Scalaz Streams (later evolved into FS2 streams), Scalaz, Play Framework, Cassandra

2012 - 2013 [Magic Table project for Wikidi, Prague, Czech Republic](#)
Developer

I was the sole developer on the project (lead by [the founder](#)). I was responsible for web-crawling, data processing pipeline, applying machine learning libraries and basically everything else.

Technologies: Python, R

Education

2008-2012 BCs. in Intelligent Systems - [Czech Technical University, Prague](#)

As a final project I wrote Minecraft server in Scala and Akka

Software Engineering Skills

■ Programming Languages

Scala - Lot of experience with Typelevel stack (http4s, cats-effect, etc), weapon of choice

Python - Used in past and for ad-hoc scripts etc.

Java - Used in past and at University

■ Operations and Cloud

Kubernetes, Helm - maintenance and development of helm/kubernetes services

AWS, Terraform, Spinnaker - as a user, not as administrator

Grafana, Datadog, Icinga, VictorOps - as a user, not as administrator

■ Others

Git, Bash

Cassandra, Kafka, RabbitMQ, SQL Databases

Interests

- Running, hiking, weight-lifting
- Rock climbing - teaching and practicing
- Investing and finance

Languages

- Czech - native
- English - very good, successfully used in business setting

Others

■ Rock Climbing instructor

Rock/Sport climbing instructor qualification by [Czech rock climbing association](#)

3 years of teaching rock-climbing to beginners as a hobby