Tomáš Heřman

📍	**Address**	Prague, Czech Republic
	Birthday	21st February 1989
🚩	**Nationality**	Czech
📞	**Phone**	+420 728 466 416
✉	**Email**	tomas.herman@gmail.com
	GitHub	github.com/tomasherman
	Languages	Czech: *Native*
		English: *Very good*
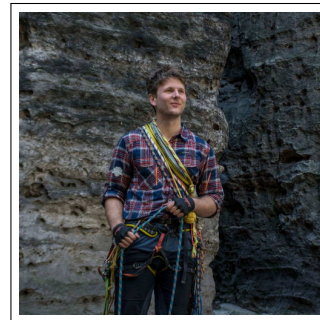
Open source

datadog4s Monitoring library for Cats-Effect based scala application.

Employment History

Aug 2021 - Present Avast Software, Prague
Senior Software/Data engineer

After Omni project was cancelled and my team dissolved, I joined an existing Data Lake team. I was tasked with making various improvements to many of the existing components of the big data solution. Most notable of which was to participate on migration and modernisation of the components from on-prem Cloudera stack to a Cloud based solution.

Technologies: Scala, Java, Kafka, Kubernetes, GCP

Aug 2019- Aug 2021 Avast Software, Prague
Team Lead, Senior Software engineer

Promoted to lead a team of 3 (and later 6) backend-developers at Omni project. 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 making 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 AntiVirus and other supporting systems. In addition to coding, I played a big role in introducing (Scala) 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.

Some interesting projects I worked on:

- DNS proxy written in Netty & Scala

- System for scanning Android APKs for Avast partners

- High throughput, highly cost-sensitive websocket server for Avast Omni project

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, GCP, 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**

Others

- **Rock Climbing instructor**

  Rock/Sport climbing instructor qualification by Czech rock climbing association
  5 years of teaching rock-climbing to beginners as a hobby