

# Tobias Pfeiffer

## Contact

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## About

I am an experienced leader & engineer deeply interested in collaboratively building useful products and continuously improving them. Most recently I worked as a Senior Staff Engineer, but I also have experience in and enjoy being a manager. I'm happiest when I can remove blockers and help people. I am fascinated with the human side of software development, love mentoring and am always striving to hit the right balance between delivering value and ensuring we're best setup to continue delivering going forward. I create and contribute to a variety of open source projects, engage in a multitude of community events, and enjoy attending and [speaking](#) at conferences.

## Work

### [Remote](#)

04/2021 — 10/2023

#### **Senior Staff Engineer (18 months) / Staff Engineer (13 months)**

Working on a big Elixir & Phoenix monolith with a focus on the payments domain, automating processes to ensure safe, quick & reliable payments of millions while improving processes and technology company wide.

- Implemented multiple features to help our payments efficiency and product offering: automatic invoice payments, bank integration via PAIN XML to automate salary payments, enable direct debit for huge sums & allowing non local currencies
- Design and Implementation of central payment projects aiming to incorporate more providers
- Most senior engineer individual contributor for a long time, involved in high level technology decision making
- Introduced Background Job System to guarantee reliable asynchronous execution
- Improved processes such as branching strategy (death to long lived branches!) and the RFC process itself
- Advocated for hiring non Elixir engineers & setup a training camp and mentoring structure to help them succeed

### [Shopify](#)

08/2020 — 03/2021

#### **Staff Developer**

Engineering Lead for a team working in Ruby on Rails on topics ranging from local market adaptation, to legal and delivery promise.

### [Self-employed](#)

08/2019 — 07/2020

#### **Freelance Leader, Developer & Consultant**

Consulting, Teaching and Development.

- Helped a company develop their first Elixir project, introducing the technology to the team
- Work on a complex microservice metrics visualization application in Ruby & NodeJS
- Open Source Work on the code coverage tool [SimpleCov](#) thanks to [Ruby Together](#)
- Consulted on the design, architecture & implementation of an open source project, including implementation

### [Liefery](#)

11/2017 — 2/2019

#### **Tech Lead (de facto Head of Engineering)**

Led a product department of 15 together with the CTO, handling the day-to-day needs of the team.

- Helped, mentored & guided colleagues through 1o1s, pairing sessions, pull request reviews and knowledge sharing sessions
- Ran retrospective and iteration meetings, continuously adapting and improving processes
- Architected and designed features with the squads
- Monitored application performance and fixed performance problems
- Screened and interviewed candidates
- Gathered problems and requirements to define and discuss solutions
- Ran integration projects with customers and other involved parties

[Liefery](#) — 01/2017 — 11/2017

### Senior Software Developer (de facto Team Lead)

Built and maintained applications to track shipments, plan tours and manage all required logistics data in Ruby on Rails, Elixir and Phoenix as well as JavaScript (AngularJS, React).

- Functioned as interim-CTO during a sabbatical

[bitcrowd](#) — 01/2015 — 10/2016

### Software Engineer

Built applications, helping companies blossom. Worked as part of a team or team lead on customer projects big and small. Introduced practices such as retrospectives and CI-servers and mentored juniors.

Self-employed — 05/2013 — 09/2018

### Part-Time Freelancer

Occasionally projects related to teaching programming, such as an introductory course at Humboldt-University Berlin.

## Community

Conferences — 05/2012 — current

### Speaker, Program Committee Member & Organizer

I like to speak at conferences to share knowledge and spread ideas. I have spoken at conferences such as Ruby On Ice, Lambdadays, Polyconf and Full Stack Fest ([overview of my talks](#)). I also helped organize JRubyConf & eurucamp 2015 and was a member of the program committee of GOTO Berlin 2014.

[Open Source](#) — 08/2011 — current

### Creator, Maintainer & Contributor

I live and breathe Open Source and contribute to a variety of projects. This is a selection of bigger projects I maintain or maintained.

- [benchee](#) a powerful and extensible benchmarking library for elixir and erlang
- [simplecov](#) the popular ruby code coverage tool
- [Shoes](#) an easy to use GUI toolkit written in JRuby that I also worked on as part of [Google Summer of Code](#)

[Ruby User Group Berlin](#) — 10/2012 — current

### Main Organizer

A monthly meetup about Ruby and related technologies, with anywhere between 40-120 attendees. Co-created the [Berlin Code of Conduct](#) to ensure and promote a safe environment.

[Rails Girls / code curious](#) — 06/2012 — current

### Coach & Mentor

Rails Girls helps to diversify the tech community by helping beginners to get in touch with programming. I coach at workshops and since 2013 I also coach a weekly project group, the [rubycorns](#), helping attendees grow into Juniors & beyond.

## Education

Hasso Plattner Institute / Blekinge Institute of Technology (Erasmus) — 2008 — 2014

### 🎓 Bachelor & Master in IT-Systems Engineering

Final grade: 1.2 (A), Specialization in Software Architecture, Internet Security, agile & distributed software development

# Skills

## Enginneering Practices

- agile Software Development (XP/Scrum)
- Test Driven Development (RSpec, ExUnit, Jasmine...)
- Pair Programming
- Version Control (git)

## Leadership & Communication Skills

- Run and moderate meeetings such as Retrospectives
- one-on-ones
- Mentoring and Teaching
- Empathy
- Eye for process improvements and bottle necks

# Languages

### German

Native speaker

### English

Full working proficiency

### Swedish

Limited working  
proficiency

### French

Basic knowledge

## Programming

- Object Oriented Programming (Ruby, Smalltalk)
- Functional Programming (Elixir, functional JavaScript)
- Web frameworks (Ruby on Rails, Phoenix)
- Benchmarking & Performance Improvements
- Web Technologies (HTML, CSS, JavaScript, JSON...)

## System Architecture

- Database Design (SQL)
- Domain Driven Design
- Design Patterns
- Monoliths, microservices and the in-between
- APIs (modules, REST)