

I wanted to become a software engineer since my youth and enjoy developing software till this day. Constantly learning while creating things is a luxury not every job has to offer. In my spare time I tend to spend as much [time outside](#) as I can and try myself at projects that involve other crafts like woodworking or gardening. Over the years I've scratched some of my own itches by writing open-source [software](#). In 2018 I quit my professional job to become a full-time dad for my two sons, but now I'm looking for new adventures in the area of software engineering. We have moved our family to the beautiful Austrian Alps which leads me to look for remote-only jobs.

SOFTWARE ENGINEER / TEAM LEAD

@ [MOVIO](#) AUCKLAND 2012 — 2018

- Led port of high throughput application to send email marketing campaigns from a monolithic to micro-service architecture. Go Scala akka PHP Javascript Kafka
- Set up monitoring, alerting and continuous integration infrastructure for quick turnaround in a micro-service setting. Cassandra MariaDB
- Technical lead for large client integration project. Docker Kubernetes
- Led interface localization of main web application. Prometheus Grafana
- Ported performance critical segmentation application from row- to column-oriented database to achieve 100-500x speed up. Jenkins JSON XML

SOFTWARE ENGINEER

@ [IPTEGO](#) BERLIN 2011 — 2012

- Designed and developed web application for monitoring and inspection of possible fraud cases in VoIP network. Python Redis zmq
- Developed a multi-process application to detect and prevent fraudulent use of VoIP networks based on packet inspection. Flask Javascript ExtJS JSON

SOFTWARE ENGINEER INTERN

@ [SAP LABS](#) PALO ALTO 2011

- Developed compiler-frontend and AST transformer for a research language. Newspeak Javascript

SOFTWARE ENGINEER

@ [FINNLABS](#) BERLIN 2008 — 2009

- Transformed semi-structured data to optimize search access on [pons.eu](#). Java XSLT Ruby
- Developed web application interface for community-driven dictionary. Ruby on Rails

SOFTWARE ENGINEER INTERN

@ [SAP RESEARCH](#) ST. GALLEN 2008

- Developed Android app to enable end user access to SAP business services. Java Android
- Implemented an OASIS standard compliant messaging component. SAP Netweaver JEE

SOFTWARE ENGINEER

@ [WPI FIRE PROTECTION ENGINEERING](#) WORCESTER 2005 — 2006

- Developed interface to manage sensor readings for fire safety experiments. Java Oracle DB

SOFTWARE ENGINEER INTERN

@ [CHARLES RIVER LABORATORIES](#) WILMINGTON 2003

- Designed and implemented a phone directory with user privileges. Java MS SQL

EDUCATION

PH. D. CANDIDATE

@ [HASSO PLATTNER INSTITUT](#) 2010

MASTER OF SCIENCE

@ [HASSO PLATTNER INSTITUT](#) 2010

BACHELOR OF SCIENCE

@ [WORCESTER POLYTECHNIC INSTITUTE](#) 2007

OTHER

TEACHING ASSISTANT

@ [HASSO PLATTNER INSTITUT](#) 2010

RESEARCH ASSISTANT

@ [BROWN UNIVERSITY](#) 2006

COMMUNITY SERVICE

@ [RED CROSS](#) 2003