Veit Heller

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Work Experience

feenk   Erlangen, Germany
DX crafter   *October 2021 – present*

I help reason about code, organizations, and build Glamorous Toolkit, one of the most exciting pieces of technology I know of.

                                                  Berlin and Erlangen, Germany
Technologist at Large   *January 2020 – present*

I help companies figure out what they need and how to implement it.

- I've built products for young startups and acted as an interim CTO as they were looking for technical cofounders or needed to get through a funding round.
- I've guided investors decisions about whether to invest in or buy companies. I've assisted in due diligence processes dozens of times.
- I've written architectural whitepapers for companies for documentation as well as guidance.
- I've acted as interim CEO for Port Zero while the actual CEO embarked on the journey of fatherhood for the first time.

Port Zero   Berlin, Germany
CTO   *July 2018 – January 2020*

In 2018, I took over the technical leadership of Port Zero and helped the CEO manage and grow the company.

- I hired and onboarded more than a dozen engineers.
- I took responsibility for team and infrastructure and managed many successful client projects.
- I gave threat-modeling and development security workshops and wrote exploratory whitepapers for clients about their problem domains.
- I delivered internal trainings as well as talks at industry conferences.

I also had the privilege to still go hands-on pretty often. Some of my personal highlights:

- I implemented a portfolio management system in Pharo Smalltalk for a Global 500 company.
- I helped multiple Internet Service Providers automate their network provisioning processes.

Port Zero   Berlin, Germany
Senior Software Engineer   *June 2016 – June 2018*

- I wrote an API for BIRD that is currently being used by a variety of Internet Service Providers.
- I audited software systems for faults and found security holes.
- I worked with Python and NumPy to speed core sections of a client's code base used for calculating resource availabilities up by a factor of 5-7.

Bright   Berlin, Germany
Lead Software Developer   *July 2015 – June 2016*

- I developed the backend of Bright's products in Python (using Flask, Django, and SQLAlchemy).
- I took care of code reviews across projects on Github for a team of four people.
- I kept track of the code climate and was responsible for deployment on cloud providers (Heroku and AWS).

                                                             Berlin, Germany
Software Development & Consultancy   *February 2015 – June 2016*

- I maintained and extended SPA websites built in AngularJS and React.
- I helped mitigate cyber attacks on clients' infrastructure while they happened.

HTW INKA   Berlin, Germany
Research Assistant (SIGNAL & FKI)   *February 2014 – July 2015*

Education

Recurse Center   New York City, NY
Recurser (Sabbatical)   *May 2017 – August 2017*

HTW Berlin	Berlin, Germany
BSc in Applied Computer Science	*October 2012 – January 2016*

Publications

Papers

Efficient Module-Level Dynamic Analysis for Dynamic Languages with Module Recontextualization. Nikos Vasilakis, Grigoris Ntousakis, **Veit Heller**, Martin C. Rinard. *ACM Joint European Software Engineering Conference & Symposium on the Foundations of Software Engineering (ESEC/FSE 2021)*

> ***Received Distinguished Paper Award.***

Eventually consistent partying. **Veit Heller**. *A Record of the Proceedings of SIG-BOVIK 2019*

> *This one might have been somewhat tongue-in-cheek.*

Recorded Talks

gt4llm: Software Development with LLMs in Glamorous Toolkit. *European Smalltalk User Group 2024*

gt4python: Working with Python inside Glamorous Toolkit. *European Smalltalk User Group 2024*

IXPDB:—A review and a preview. *39th Euro-IX Forum, 2023*

gt4atproto, A Programmable Environment for Social Media. *European Smalltalk User Group 2023*

Implementing an IDE in GT. *European Smalltalk User Group 2022*

Brainfuck, Carp, Macros, and Futamura Projections. *LambdaLounge 2021*

All I have is a hammer, now give me all your nails!. *EnthusiastiCon 2020*

Automate yourself within six months. *DeNOG 2019* (Co-presented by Christian Dieckhoff)

Programming Languages and Trust. *Datengarten 96*

Abstractions! How do I even?. *EnthusiastiCon 2019*

Carp - A Language for the 21st Century. *Curry On! 2019*

Carp - A Language for the 21st Century. *ClojuTRE 2018*