Veit Heller

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Work Experience

Port Zero   BERLIN, GERMANY
Senior Software Engineer   *June 2016 – present*

Building software for a diverse set of clients, including Internet Service Providers, startups, and Global 500 companies.

- Wrote an API for BIRD, an internet routing daemon, in Go, with microsecond latency and high configurability. It is currently being used by a variety of Internet Service Providers.
- Audited software systems written in Java and Python for faults and helped find security holes. This included communicating these issues to the teams in a blameless and constructive way.
- Built internal and Open Source tooling using Python and Django; C; and JavaScript for the company to help track clients and projects. This freed up time otherwise spent on synchronization between departments.
- Built Customer and Operations portals and help desks using Javascript and React; Python and Django; and Go that helped speed customer onboarding up from days to hours.
- 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*

Developed the backend of Bright's products, written in Python using Flask through several iterations. Brought it from a Minimum Viable Product to a set of maintainable services that helped artists monetize their art. Took care of code reviews across projects on Github and kept track of the code climate through Continuous Integration and Deployment. Was responsible for deployment on Heroku and AWS Lambda.

Freelancer   BERLIN, GERMANY
Software Development & Consultancy   *February 2015 – present*

Collaborated with a wide variety of clients in the Berlin area, mostly on web-based systems of various kinds. Developed, audited, and migrated systems while learning to remain calm under pressure.

- Maintained and extended customer-facing websites written in JavaScript and Angular. Split up applications into modules, drastically reducing onboarding time of other maintainers.
- Helped mitigate a DoS attack on a client's infrastructure while it happened. Moved integral and parts of the system into the AWS cloud for better load balancing and uptime while the system was running.

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*

Researched and explored personal projects during a self-directed 3-month programming retreat. Work included reinventing language features using Lisp macros; building compilers and virtual machines in Rust and OCaml; and producing digital generative art using shaders and P5.js.

HTW Berlin   BERLIN, GERMANY
BSc in Applied Computer Science   *2012 – 2016*

Bachelor thesis on zepto-js, the JavaScript version of zepto. Grade average of 1.76 (equivalent GPA of 3.24).

Non-Work Projects

e

e is a lightweight, minimal editor. It supports a wide variety of Operating Systems and is customizable through Lua. The executable is smaller than that of any other editor of comparable feature size.

zepto

zepto is a programming language with a focus on naïveté, malleability, and friendliness. It is both a testbench for new ideas in PLT and a pragmatic, usable implementation of a Scheme with a "batteries included" mindset.

Carp

Carp is a compiled Lisp with type inference and without garbage collection. It uses new ideas to get rid of the mundane parts of programming. I am one of the core contributors and maintain the standard library.