~ Frederic
~ Kettelhoit

- Berlin, Germany; kettelhoit@gmail.com; github.com/fkettelhoit
- German (native), English (fluent), French (proficient), Italian (proficient)

~ About # 9 years of engineering experience, deeply technical work & team leadership
- I learn quickly & work efficiently, e.g. B.Sc + M.Sc (top of class) in 50% of regular time
- I love deeply technical work and am always curious about new technology (and philosophy!)
- I am technology agnostic and have experience as lead engineer in a variety of tech stacks

~ Skills # Rust, TypeScript/JavaScript, Java, Clojure, Kotlin, Python, Dart, SQL, HTML/CSS
- Tech Stacks: React, Flutter, WebAssembly, PostgreSQL, Cloudflare, Docker, Heroku, Git

~ Projects # Creator of open source AssemblageDB: 11/2019-ongoing
- Distributed document platform for connected & backlinked text corpora
- Backend: custom KV store, distributed document/graph DB + search index (Rust)
- Frontend: drag & drop markup document editor SPA (TypeScript & React)

~ Experience # Technical PhD work, U of Kassel & Wittgenstein Archives Bergen: 11/2018-ongoing
- Created document platform & similarity search for Wittgenstein XML corpus
- Gave talks on the platform at conferences in Warsaw, Poland and Bergen, Norway

Team Lead Data, Talentbay/GraduGreat GmbH: 07/2020-03/2021
- Coordination & development of external academic data sources
- Communication with data partners, business stakeholders & freelancers
- Academic data pipeline using Python, Databricks & Microsoft Academic Graph

Lead Backend Developer (Java), Propertybase GmbH: 06/2013-07/2017
- Responsible for all Java developers at the company
- Maintenance & extension of legacy Real Estate CRM in Salesforce/Apex
- Development of tooling to go from manual monthly to automatic daily deployments
- Development of custom toolchain & Java-to-Apex compiler, enabling easier hiring

Software Developer (Freelancing) 05/2012-06/2013, 02/2018-06/2018
- Development of recommendation engine using Clojure & Elasticsearch
- Development of pharmaceutical report generator backend using Clojure
- Development & spec of template-based audit checklist for Android
- UX design & REST API spec for visualisation of nursing care sensors
- UX design of tablet-based control center for nursing care beds

~ Education # PhD in Philosophy (of Mathematics/CS), University of Kassel: 11/2018-ongoing
- Thesis: "Wittgenstein on Contradiction & Computation", estimated completion: 10/2021

B.A Philosophy & French Philology, Free University of Berlin (FU): 10/2014-09/2018
- Grade: 1,2 (97%, Philosophy), 2,2 (80%, French), 6 semesters, parallel with full time work

M.Sc Computer Science, University of Munich (LMU): 04/2011-04/2012
- Grade: 1,32 (95%), in 2 instead of 4 semesters, in parallel with B.Sc Media Informatics

B.Sc Media Informatics, University of Munich (LMU): 10/2009-03/2012
- Grade: 1,58 (90%), in 5 instead of 6 semesters, in parallel with M.Sc Computer Science

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