

STEFAN HENGL

SENIOR SOFTWARE ENGINEER

ABOUT ME

I am a full-stack engineer with a strong background in machine learning pipelines and customer-facing, high-throughput microservices. I am passionate about software engineering, constantly striving for simplicity. My colleagues describe me as delivery-oriented and pragmatic. I am currently looking for exciting opportunities to grow my career and increase my impact.

EXPERIENCE

Senior Full-Stack Developer, Jun 2018 - Present

Zalando SE, Berlin

- Development, maintenance, and operation of several high-throughput (up to 50k requests per seconds), low-latency (P99 < 20ms) REST APIs on top of Zalando's central infrastructure components (Kubernetes, Kafka, AWS).
- Evolution of legacy systems architecture to a more flexible setup that allows for quicker rollouts of new algorithms while increasing availability and resilience.
- Migration of a tightly coupled net of microservices on top of AWS to a decoupled, event-based setup based on Kafka and Kubernetes.
- Development of in-house tooling (Typescript, React-unstated) for the creation and maintenance of size charts and related metadata.
- Development of a customer-facing dialog-tile (Typescript, React, Lerna) to interact with customers on Zalando's catalog and product detail page.

Senior Full-Stack Developer, Oct 2016 - May 2018

SAP SE, Deep Learning Research and Development, Berlin

- Data processing in the context of machine learning pipelines.
- Development of a GPU-based container orchestration framework for deep learning with a focus on reproducible experiments and quick iteration cycles.
- Development of a REST API to extract structured information from invoices at scale.
- Development of a web-based frontend (React-Redux) that lets users upload invoices and then visualizes the response received from the backend.

Senior Customer Engagement Service Manager, Jan 2015 - Sep 2016

SAP SE, Cloud Advisory Office, HANA Enterprise Cloud, Berlin

Technology Consultant, Jan 2011 - Dec 2014

SAP Deutschland SE & Co. KG, Consulting, Berlin

Research Assistant, Mar 2008 - Dec 2010

ETH Zurich, Institute for Theoretical Physics, Chair of Quantum Information Theory, Zurich

CONTACT

Stefan Hengl
Christburger Str. 12
10405 Berlin

stefan.hengl@gmail.com
+49 (0) 151 20 285 484

LINKS

- [Github](#)
- [LinkedIn](#)

EDUCATION

Project Management Professional PMP (07/2014-07/2020)

Project Management Institute

Master of Physics (10/2002 – 12/2007)

University of Freiburg, master thesis
in theoretical biophysics

SKILLS

Backend Development

Python, Clojure, Go

Frontend Development

Typescript, Javascript, React-Redux,
React-Unstated, material-ui, Lerna

Messaging Systems and Data Stores

Redis, Postgres, Kafka, MongoDB,
RabbitMQ

Other

AWS, Docker, Kubernetes, Git, Bash,
Jenkins, Cloud Foundry, OCR