STEFAN HENGL

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   *06/2018 - 06/2020*
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 flexibel setup that allows for quicker rollouts of new algorithms while increasing availability and resilience.
- Migration of a tightly coupled net of microservices on to 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   *10/2016 - 05/2018*
SAP SE, Deep Learning R&D, 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   *01/2015 - 09/2016*
SAP SE, Cloud Advisory Office, HANA Enterprise Cloud, Berlin

Technology Consultant   *01/2011 - 12/2014*
SAP Deutschland SE & Co. KG, Consulting, Berlin

Research Assistant   *03/2008 - 12/2010*
ETH Zurich, Institute for Theoretical Physics, Zurich

CONTACT

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github.com/stefanhengl
linkedin.com/in/stefanhengl

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