Gerrit Egnew

Data Engineer

+41 76 579 39 50
g.egnew@gmail.com

Goldswil bei Interlaken, Bern, CH

Bioengineer turned software engineer. Exploring the world with code.

Experience

Consulting Developer
Jul 2019 - Aug 2020

CellCarta

CellCarta is a provider of next-generation drug discovery assay platforms. I work on CellEngine, a fast end-to-end flow cytometry analysis tool, primarily developing R and Python toolkits for interacting with the CellEngine API, as well as an Express.js app and underlying data analysis libraries (in Node).

Data Engineer
Nov 2019 - Jul 2020

Relayr, GmbH · Munich, DE

Worked to develop a streaming analytics pipeline for industrial IoT. Leveraged Spring, Kafka, Spark, and other tools to create and improve Java and Python microservices for a machine-learning analytics backend. Collaborated with data scientists to design large-scale ML systems. Worked with the cloud, hardware, QA, and DevOps teams to test and deploy new services and features.

DevOps Engineer
Aug 2020 - Aug 2021

Wyssen Avalanche Control · Reichenbach im Kandertal, CH

At Wyssen, I supported the development and modernization of a large PHP web app, a Vue app, and a collection of Python and Node microservices for control, management, and maintenance of avalanche control towers (fixed explosive-ordnance deployment towers). I worked primarily with PHP, Javascript, Python, RabbitMQ, and Docker. I also worked to develop new team workflows, organizational methods, and assisted in hiring.

Data Engineering & ML Ops Consultant
Dec 2021 - Present

Tribe AI

As a member of the Tribe community, I work on a variety of consulting projects, both solo and as part of a team. Recently, I worked with a Swiss audiology firm to develop and grow their business analytics and data science capacities, working within the Azure ecosystem to automate machine learning processes, develop engineering best-practices, make new hires, and help data scientists work more easily, quickly, and powerfully. Our team saved this firm over 100,000 CHF per year in improved developer efficiency.

Consulting Sr. Software Engineer
May 2022 - Present

Zeit Medical

Zeit is an early-stage company working to create automated stroke-detection systems. As the primary engineer I design and build the machine learning infrastructure with AWS and (primarily) Python to build a streaming analytics platform.

Skills

Python
FastAPI
pandas/numpy
scikit-learn
torch

Javascript
Node (Express)
React
Vue

Java
Spring
Kafka
Kotlin

Infrastructure
AWS
Azure
Hetzner
DigitalOcean
k8s
Jenkins

Databases
Postgres
MySQL
CouchDB
MongoDB
Cassandra
Redshift

Education

Bachelor, Biological Engineering
Montana State University

Certificates

Data Egnineering Nanodegree
Udacity

Languages

English · Native
German · Advanced
Swiss German · Intermediate

Links

gerritegnew.info
github.com/gegnew
linkedin.com/in/gerrit-egnew-932b55112