

# Gerrit Egnew

## Data Engineer

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Goldswil bei Interlaken, Bern, CH

Bioengineer turned software engineer. Exploring the world with code.

## Experience

### Consulting Developer

CellCarta

Jul 2019 - Aug 2020

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

Relayr GmbH · Munich, DE

Nov 2019 - Jul 2020

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

Wyssen Avalanche Control · Reichenbach im Kandertal, CH

Aug 2020 - Aug 2021

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

Tribe AI

Dec 2021 - Present

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

Zeit Medical

May 2022 - Present

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	Infrastructure
FastAPI	AWS
pandas/numpy	Azure
scikit-learn	Hetzner
torch	DigitalOcean
	k8s
JavaScript	Jenkins
Node (Express)	Databases
React	Postgres
Vue	MySQL
Java	CouchDB
Spring	MongoDB
Kafka	Cassandra
Kotlin	Redshift

## Education

Bachelor, Biological Engineering  
Montana State University

## Certificates

Data Engineering Nanodegree,  
Udacity

## Languages

English · Native  
German · Advanced  
Swiss German · Intermediate

## Links

[gerritegnew.info](https://gerritegnew.info)  
[github.com/egnew](https://github.com/egnew)  
[linkedin.com/in/gerrit-egnew-932b55112](https://linkedin.com/in/gerrit-egnew-932b55112)