Gerrit Egnew

Data Engineer

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Switzerland

PURPOSE

I am a bioengineer turned software developer and a believer in the power of interdisciplinary thinking to make change and solve problems. I currently live in Switzerland, but my home is in the mountains of Montana.

WORK EXPERIENCE

Wyssen Avalanche Control (Reichenbach, CH)

(September 2020 - Current)

DevOps Engineer

At Wyssen, I support the development and modernization of a large PHP web app and a collection of Python and Javascript microservices for control, management, and maintenance of avalanche control towers (fixed explosive-ordnance towers). I primarily work with: RabbitMQ, PHP, Javascript (Express, Vue, React), Python (Flask, tensorflow, scikit-learn), Docker.

Primity Bio (Remote)

(July 2019 - Current)

Developer Consultant

Primity Bio is a provider of next-generation drug discovery assay platforms. I work on CellEngine, a fast end-to-end flow cytometry analysis tool, developing R and Python toolkits for interacting with the CellEngine API.

Relayr, GmbH (Munich, DE)

(November 2019 - August 2020)

Data/ML Engineer

At Relayr, I worked to develop our streaming analytics pipeline for industrial IoT. I leveraged Spring Boot, Kafka, Spark Streaming, k8s, AWS, and Azure to:

- Design, develop, and improve Java and Python microservices in our analytics/machine-learning backend.
- Collaborate with data scientists to design large-scale machine-learning systems.
- Work with cloud, hardware, QA, and DevOps teams to test and deploy new services and features.

Enviromin, Inc. (Bozeman, MT)

(May 2018 - July 2019)

Biological Engineer

As Enviromin's bioengineer, I aided in the design, testing, and implementation of bioreactors, bioremediation plan development, kinetic modeling, and data management/analysis. I also designed and managed laboratory experiments, wrote proposals and technical reports, managed supplies and purchasing, interfaced with clients, presented findings at conferences, and prepared budgets.

EDUCATION

Montana State University

(Sep 2012 - May 2018)

BS in Biological Engineering

CERTIFICATIONS

Data Engineering

Udacity

WFR

Wilderness First Responder

SKILLS

REFERENCES

Spencer Lawley
Head of Technical Operations, Stripe
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Ilse-Mari Lee
Dean, MSU Honors College
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ADDITIONAL INFORMATION

Hometown	McCall, ID
Hobbies	Backcountry Skiing, Trail Running, Climbing, Kayaking
Valid Work Visas	US, CH

LANGUAGES

English (US) ★★★★★
German ★★★
Bärndütsch ★★