

# GERRIT EGNEW

Software Engineer

📍 Dorfgasse 40, Goldswil bei Interlaken, 3805, CH

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## + EDUCATION

- Montana State University  
2018  
**BACHELOR**
  - Biological Engineering

## + SKILLS

Python (Pandas, Scikit-Learn, FastAPI)

DevOps (AWS, Azure, Terraform, GH Actions, CI/CD)

MLOps (DVC, MLFlow, Sagemaker)

Data Engineering (Kafka, MQTT, Airflow, Data Warehousing)

Databases (MongoDB, CouchDB, TimescaleDB, AWS Timestream, Redis, PostgreSQL)

Internal Tools (Retool, Slack Integrations, Notion, Jira)

Node (General Backend, React Native)

Embedded/IoT (Bluetooth, Wifi, IPC)

## + ABOUT ME

Bioengineer turned software engineer. Inspired by difficult projects.

## + WORK EXPERIENCE

- Zeit Medical MAY 2022 - PRESENT  
Interlaken  
**SR. SOFTWARE ENGINEER**
  - Pioneered software development as the first Software Engineer at Zeit, an innovative company focused on automated stroke-detection systems.
  - Architected a robust data pipeline that seamlessly ingests data from hundreds of devices globally.
  - Designed and implemented internal APIs and dashboards for efficient management of study sites, patients, devices, and logistics.
  - Led the engineering of a React Native app for streamlined WiFi provisioning and patient onboarding.
  - Developed a cutting-edge machine learning infrastructure and a state-of-the-art streaming analytics platform.
  - Contributed to team expansion, facilitating a doubling of team size.
  - Supervised the development of advanced hardware solutions, including a next-generation EEG-recording headband and IoT devices.
- CellCarta JUL 2019 - AUG 2022  
**CONSULTING DEVELOPER**
  - Developed advanced R and Python toolkits for seamless integration with the CellEngine API, enhancing end-to-end flow cytometry analysis.
  - Contributed to the core Express.js application, optimizing performance and functionality for next-generation drug discovery.
  - Engineered robust data analysis libraries in Node.js, driving efficiency and accuracy in assay platform capabilities.
- Relayr, GmbH NOV 2019 - JUL 2020  
Munich  
**DATA ENGINEER**
  - Developed a high-performance streaming analytics pipeline for Industrial IoT, utilizing Spring Boot, Kafka, and Java and Python microservices for machine-learning analytics.

+ LANGUAGES

English

German

Swiss German (Bernese)

+ PERSONAL DETAILS

Nationality  
USA

Visa status  
Switzerland, genehmigte  
Selbsterwerbstätigkeit

- Collaborated with data scientists to architect and implement large-scale ML systems.
- Partnered with cloud, hardware, QA, and DevOps teams to successfully test and deploy new services and features.

● Wyssen Avalanche Control AUG 2020 - AUG 2021  
Reichenbach im Kandertal  
DEVOPS ENGINEER

- Spearheaded the development and modernization of a large-scale PHP web application, Vue.js app, and a suite of Python and Node microservices for avalanche control systems, leveraging RabbitMQ and Docker for enhanced performance and scalability.
- Championed the creation of innovative team workflows and organizational methods, contributing to a more efficient and productive development environment.
- Played a key role in talent acquisition, helping to build a high-performing DevOps team.

● Tribe AI DEC 2021 - PRESENT  
DATA ENGINEERING & ML OPS CONSULTANT

- Collaborated with a Swiss audiology firm to enhance their business analytics and data science capabilities within the Azure ecosystem, implementing automated machine learning processes and engineering best practices that resulted in over 100,000 CHF annual savings through improved developer efficiency.