Gabriel **Peter**

SWISS-AMERICAN · SOFTWARE ENGINEER

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Education

Northeastern University   *Boston, MA*
RECIPIENT OF BACHELOR OF COMPUTER SCIENCE   *May 2022*

Harvard-Westlake High School   *Los Angeles, CA*
HIGH SCHOOL DIPLOMA   *May 2018*

Experience

Flexport Inc.   *Chicago, IL*
SOFTWARE ENGINEER AND SOLUTIONS ARCHITECT   *June 2022 - Present*

- Engineered company-wide taxonomy standardization tool impacting finance, cost-calculation, saving upwards of **$ 4 Million** from cost leakage
- Heavy experience in python services and cloud architecture resulted in leading initiative for a scalable, robust in-house CSV parsing service.
- Spearheaded Large Language Model initiative to automate ingestion of unstructured contract data requiring effective contextual awareness

WHOOP Inc.   *Boston, MA*
JAVA BACKEND ENGINEER CO-OP   *July 2021 - November 2021*

- Led Financial Infrastructure overhaul involving **8 engineers** and **10 Million** rows of customer data over two months.
- Wrote and executed Project Proposals for upper management approval before partitioning tasks into Sprints + Epics for fellow engineers.
- Engineered Kafka Event Stream Consumers to process **1 million** daily health payloads for database replication.

Scientific Systems Inc.   *Boston, MA*
PYTHON DEVELOPER CO-OP AND PART-TIME C++ DEVELOPER   *January 2021 - June 2021*

- Collaborated on middle-ware tech stack rehaul for improved performance and longevity.
- Revived a deprecated real-time analytic tool which decodes and visualizes **gigabytes** of autonomous drone flight data using multithreading.
- Dockerized the desktop tkinter GUI for easy adoption by U.S. Military Clients.

Visual Labs Inc.   *Palo Alto, CA*
FULL-STACK SOFTWARE ENGINEER INTERN   *May 2019 - August 2019*

- Developed Android and Web application features for production release.
- Invented micro-controller module as a client-requested feature for a superior product experience.

Certifications

AWS Certified Solutions Architect – Associate

DeepLearning.AI TensorFlow Developer Professional Certificate

Skills

Base Languages	Python, TypeScript, Java, JavaScript, Ruby, SQL
JS Frameworks	Next.js, React, React-Native, Expo for Mobile Applications
Python Libraries	django, tensorflow/keras, pandas, matplotlib
Cloud Native & DevOps	Solution Architect with Amazon Web Services, Terraform, Docker, Kubernetes
Hardware	Arduino, Raspberry Pi

Projects

FORM

- Designed a full-stack application **(React, Django, AWS, TensorflowLite, Docker)** to provide cloud-based analytics on uploaded weightlifting videos.
- In-house algorithm accurately counts the reps, calculates energy / force output, and lastly validates proper form per repetition.
- REST API supports: safe AuthFlow, **S3 bucket storage**, Queuing background tasks and cronjobs with Celery, Stripe Payment processing.
- ML Algorithms utilize Pandas, Numpy, Boto3, Sklearn to process **10,000** rows of keypoint positional data and then caches results for future queries.