

Gabriel Peter

SWISS-AMERICAN · SOFTWARE ENGINEER

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Education

Northeastern University

RECIPIENT OF BACHELOR OF COMPUTER SCIENCE

Boston, MA

May 2022

Harvard-Westlake High School

HIGH SCHOOL DIPLOMA

Los Angeles, CA

May 2018

Experience

Flexport

FULL-STACK SOFTWARE ENGINEER AND SOLUTIONS ARCHITECT

Chicago, IL

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.
- Played a pivotal role in enhancing my team's microservice architecture, demonstrating a keen focus on scalability and observability. Leveraged **Terraform** and **AWS Cloud** development expertise to drive impactful changes and ensure seamless operations.

WHOOOP

JAVA BACKEND ENGINEER CO-OP

Boston, MA

July 2021 - November 2021

- Led Financial Infrastructure overhaul involving **5 engineers** and **10 Million** rows of customer data over two months.
- Demonstrated exceptional leadership by crafting and presenting Project Proposals to upper management, securing their approval and trust, and subsequently, expertly partitioned tasks into Sprints and Epics for seamless collaboration among fellow engineers.
- Engineered Kafka Event Stream Consumers to process **1 million** daily health payloads for database replication.

Scientific Systems Inc.

PYTHON DEVELOPER CO-OP AND PART-TIME C++ DEVELOPER

Boston, MA

January 2021 - June 2021

- 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.

FULL-STACK SOFTWARE ENGINEER INTERN

Palo Alto, CA

May 2019 - August 2019

- Demonstrated new skills in developing robust Android and Web application features, contributing significantly to successful production releases.
- Pioneered the invention of a cutting-edge Bluetooth micro-controller, enabling seamless and automatic triggering of body-camera recordings, showcasing innovative problem-solving skills and technical acumen.

Certifications

AWS Certified Solutions Architect – Associate

DeepLearning.AI TensorFlow Developer Professional Certificate

Skills

Base Languages Python, Java/Kotlin, TypeScript, JavaScript, Ruby, SQL

JS Frameworks Next.js, React, React-Native, Expo for Mobile Applications

Data Science tensorflow/keras, pandas, matplotlib

Backend Frameworks SpringBoot, Express, Django, Ruby on Rails

Cloud Native & DevOps Solution Architect with Amazon Web Services, Terraform, Docker, Kubernetes, Helm

Projects

CLIPPER

- Developed a **React + Redux + Express.js** application providing two sub-projects. Hosted on Heroku.
- Communicated with the **Spotify API** to process data of personal music tastes through graph visualization and secure OAuth flow.
- Custom Cocktail API that scraped **800+ recipes** from 10+ sites into a growing database of cocktail recipes.

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.