Gabriel **Peter**

SWISS-AMERICAN · SOFTWARE ENGINEER

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Experience

Spotify Inc.   *New York, NY*

SOFTWARE ENGINEER   *November 2023 - Present*

- Collaborated in a "Priority 1 Executive Bet" to serve Premium tier offerings to **200 Million** Free-users, drastically increasing the subscription user-base
- Owned, designed, and engineered backend service (MEB) to ML-optimize promotional offers per unique user, handling **35 Million** inferences daily
- Optimized the backend system (MEB) to have a **p99 of 45ms** with up to 7 network dependencies per request
- Co-Designed and implemented the Free-Trial servicing engine (JJ), receiving over **50 Million** requests daily, and starting **2 Million** trials

Flexport Inc.   *Chicago, IL*

SOFTWARE ENGINEER   *June 2022 - October 2023*

- 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.

WHOOP Inc.   *Boston, MA*

BACKEND ENGINEER CO-OP   *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.

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*

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
Backend Frameworks	SpringBoot, Express, Django, Ruby on Rails
Cloud Native & DevOps	Solution Architect with Amazon Web Services, Terraform, Docker, Kubernetes, Helm

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.