

# **Maya Chen**

Senior Backend / Platform Engineer (Python, AWS) -  
Building scalable data + API platforms

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## **SUMMARY**

Backend/platform engineer with 7+ years building production systems. Strong in Python services, AWS infrastructure, SQL databases, and API design. Recently shipped LLM-powered internal tooling (retrieval + generation) over large knowledge bases and comfortable owning ambiguous problems end-to-end.

## **EXPERIENCE**

### **Senior Software Engineer, Backend Platforms - Stripe**

2022 - 2025 | Remote (Canada)

- Led development of a multi-tenant Python API gateway (FastAPI + Envoy) serving 15k+ RPS with p99 < 120ms; implemented authZ, rate limiting, and request tracing (OpenTelemetry).
- Designed Postgres schema + migration strategy for high-write workloads; introduced partitioning and query tuning that reduced hot-table contention by 35%.
- Built event-driven ingestion pipeline (Kafka, S3, Snowflake) powering risk signals; added backfill + replay tooling and SLAs/alerting.

### **Backend Engineer - Ramp (VC-backed)**

2019 - 2022 | New York, NY

- Built and owned core billing microservices in Python (gRPC/REST), integrating with third-party payment providers and internal ledger services.
- Implemented idempotency, retries, and dead-letter handling for asynchronous workflows (SQS/SNS) to improve reliability and reduce incident volume.
- Developed automated CI/CD (GitHub Actions) and infrastructure as code (Terraform) across 20+ services.

### **Software Engineer - VC-backed Startup (Series A)**

2017 - 2019 | San Francisco, CA

- Shipped the first production backend for a B2B workflow product (Python + PostgreSQL + Redis), from MVP to 30 enterprise customers.
- Introduced structured logging, dashboards, and runbooks; reduced mean time to recovery from ~2 hours to < 30 minutes.

## **SKILLS**

**Languages:** Python, Go (working proficiency), SQL

**Cloud/Infra:** AWS (ECS, EKS, RDS, S3, SQS, SNS, IAM), Terraform, Docker, Kubernetes

**Data:** PostgreSQL, Redis, Kafka, Snowflake, OpenSearch

**APIs/Tools:** FastAPI, gRPC, REST, OpenTelemetry, CI/CD, incident response

## **EDUCATION**

### **University of Waterloo**

BASc, Computer Engineering | 2013 - 2017 | Waterloo, ON

Graduated with distinction; co-op terms in distributed systems and data engineering.

## **SKILLS**

**Languages:** Python, Go (working proficiency), SQL

**Cloud/Infra:** AWS (ECS, EKS, RDS, S3, SQS, SNS, IAM), Terraform, Docker, Kubernetes

**Data:** PostgreSQL, Redis, Kafka, Snowflake, OpenSearch, vector DBs (Pinecone/Milvus)

**APIs/Tools:** FastAPI, gRPC, REST, OpenTelemetry, CI/CD, incident response

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