


# Kevin Lam *Software Engineer*

✉ kevinlam07696+jobs@gmail.com    <https://www.linkedin.com/in/kevinlams/>    <https://codeberg.org/kevin07696>

## LANGUAGES

Python | SQL | Java | TypeScript | Golang | Rust | HTML | CSS | Bash

## TECH STACKS

REST | Linux | PostgreSQL | gRPC | AWS | Docker | Git | Terraform | RAG | Graphana

## PROFESSIONAL EXPERIENCE

### The Autobot (Consultancy), *Software Engineer (Product Facing)*

2025 – Present  
New York, NY

- **Built a service for an art school with scheduling, student/package tracking, and billing.** Interviewed a client to gather requirements and consolidated multiple legacy system into an integrated service.
- **Created payment microservice.** Standardized functionality and reduced integration time for future projects by two weeks while improving maintainability.
- **Developed a RAG chat bot for car dealerships using Rust and Rig (LangChain for Rust).** Prompts are queried using analysis strategies like decomposition and rewrites, preprocess with HYDE to format and match document data, retrieval strategy by using a tree structure to navigate through matching summaries of contextual data (RAPTOR).
- **Architected a POS system for remote operators.** Designing flexible menu organization, modifier inheritance, and location-specific orders to support scalable distributed operations.

### Amazon Web Services (Managed Serverless Kafka), *Software Development Engineer I*

2022 – 2023  
New York, NY

- **Implemented Cross-VPC streaming with future cross-account support.** Delivered robust messaging across VPCs and added monitoring with alarms, improving communication reliability.
- **Managed AWS infrastructure for MSK experimentation and testing.** Configured CloudFormation, VPCs, Route53, and EC2 to ensure a stable and scalable environment for development and physical testing.
- **Resolved 20+ P1/P2 incidents across Kafka and AWS infrastructure during on-call rotations.** Conducted root cause analyses and applied mitigations, minimizing recurring failures and improving system uptime and operator/customer experience.
- **Led agile processes and operational reporting.** Organized sprint planning, SCRUM, retrospectives, and daily reports, enhancing team collaboration and ensuring on-time delivery of features.

### United Parcel Service, *Software Engineer*

2020 – 2022  
Parsippany, NJ

- **Migrated ETL workflows from on-prem to hybrid cloud while coordinating with DB architects and product managers.** Developed an MS SQL stored procedure using CTEs, indexed queries, and cursor-based pagination to extract, transform, and load 2M+ rows into GCP Spanner reliably.
- **Fixed recurring memory leaks in the package-tracking API.** Investigated stale packages with PM context and redesigned the summarizer service to exclude inactive loads, improving tracking accuracy and removing the need for manual resets.
- **Resolved weekend deployment conflicts from dangling Datical migrations.** Implemented a team-wide policy to push all migration changes upward, eliminating merge conflicts, reducing rollback risk, and updating the runbook with best practices.
- **Built a sales analytics dashboard for the sales team.** Developed Angular + Spring Boot front end, backend API, and stored procedures to track shipper metrics, enabling prioritization of high-impact accounts.
- **Authored runbook documentation** on debugging, logging, and architecture, improving maintainability and cross-team collaboration.
- **Mentored 2 junior engineers** on self-learning strategies, Git workflows, and internal documentation, enabling them to contribute independently on projects.

## EDUCATION

BBA in Computer Information System Data Analytics, *Baruch College, Zicklin School of Business*

Dec 2019  
New York, NY