

Omar Rahman

Staff Platform Engineer - Distributed systems, developer platforms, and LLM-integrated services

Montreal, QC |
omar.rahman@candidate.example |
(555) 412-7721
GitHub: github.com/orahman |
LinkedIn: linkedin.com/in/orahman

SUMMARY

Staff backend/platform engineer (9+ years) in scalable services and data systems. Strong Python + AWS background, deep SQL expertise, and hands-on experience building RAG pipelines and LLM agents with observability and safety constraints.

EXPERIENCE

Staff Software Engineer, Platform - Scale AI

2023 - 2025 | San Francisco, CA

- Owned platform roadmap for internal API services (Python + FastAPI) and shared libraries; standardized auth, pagination, and versioning across 40+ endpoints.
- Built a unified retrieval service (hybrid BM25 + embeddings) over 2+ TB of documents; delivered RAG APIs used by product teams for assistant features.
- Introduced load testing and capacity modeling; reduced infra cost by ~22% while maintaining SLOs.

Senior Software Engineer - Notion

2020 - 2023 | San Francisco, CA

- Developed backend services for permissions and workspace analytics; optimized Postgres queries and added caching (Redis) to cut p95 latency by 40%.
- Designed data pipelines on AWS (S3, Glue, Athena) to support analytics and compliance reporting.
- Built internal tooling to index and search knowledge artifacts; implemented encryption and access controls.

Software Engineer, Backend - Amazon

2016 - 2020 | Seattle, WA

- Shipped features for a high-throughput AWS service component; improved reliability through automated canaries and rollback procedures.
- Implemented SQL data model changes and migration tooling across multiple regions.

SKILLS

Languages: Python, Java, SQL

Cloud/Infra: AWS (Lambda, ECS, RDS, DynamoDB, S3), Terraform, Docker

Databases: PostgreSQL, MySQL, DynamoDB, Redis

LLM/AI: RAG, embeddings, LangChain/LangGraph, evaluation

Practices: SRE fundamentals, SLOs, incident management, API design

EDUCATION

McGill University

BSc, Computer Science | 2012 - 2016 | Montreal, QC

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Distributed systems focus; teaching assistant for databases.