

Lucas Martinez

Senior Backend Engineer - Python services, AWS-native systems, and high-scale APIs

Vancouver, BC |
lucas.martinez@candidate.example |
(555) 419-6630
GitHub: github.com/lmartinez |
LinkedIn: linkedin.com/in/lmartinez

SUMMARY

Senior backend engineer with 6+ years delivering production backend systems and platform components. Strong in Python, AWS, SQL databases, and building robust APIs. Comfortable in fast-paced environments and end-to-end ownership (design, implementation, deployment, on-call).

EXPERIENCE

Senior Software Engineer, Backend - Snowflake

2022 - 2025 | Vancouver, BC

- Developed internal platform APIs for metadata and account management; contributed to reliability improvements and SLO reporting.
- Built Python services to orchestrate data workflows, including auditing and lineage collection; improved throughput by 30% via batching and async IO.
- Partnered with security to implement least-privilege access and automated credential rotation.

Software Engineer, Backend - Reputable Series C Startup

2019 - 2022 | Seattle, WA

- Owned core API services (Python, PostgreSQL) powering B2B integrations; designed versioning and deprecation strategy.
- Implemented distributed rate limiting and request signing for enterprise customers; reduced abuse incidents.
- Added comprehensive unit/integration tests and improved CI pipelines; decreased rollback rate.

Software Engineer - Microsoft

2018 - 2019 | Redmond, WA

- Contributed to backend service components and monitoring; learned production engineering fundamentals.

SELECTED PROJECTS

Self-serve Evaluation Harness for Retrieval

2025 - Python, Postgres, OpenSearch, embeddings

- Built tooling to measure retrieval quality (recall@k, latency) on curated datasets; enabled faster iterations on RAG components.

SKILLS

Languages: Python, C#, SQL

Cloud: AWS (EKS, RDS, S3, IAM), Docker, Kubernetes

Databases: PostgreSQL, MySQL, Redis

APIs: REST, gRPC, OpenAPI; authN/authZ; observability

Other: Distributed systems, performance tuning, on-call ownership

EDUCATION

University of British Columbia

BSc, Computer Science | 2014 - 2018 | Vancouver, BC

Coursework: distributed systems, databases, operating systems.