

Shalin Patel



patel.shalin@outlook.com



PatelShalin



+1 (647) 784-8932



shalin1patel

Skills

Languages Python, Go, Java, Kotlin, C, C++, Javascript, Bash, HTML5, CSS3, SQL

Technologies Airflow, AWS, Azure, Docker, Elasticsearch, gRPC, GCP, Kubernetes, Linux, Node.js, Temporal

Experience

Coalition

February 2024 - Present

Software Engineer

San Francisco, CA, United States

- Developed the schedule a bind feature by writing endpoints in Python and Temporal workflows in Go, scheduling over 220 quotes to be bound resulting in a 15% reduction in the bind system's p95 latency.
- Led the renewals Canadian expansion implementing gRPC endpoints in Go and workflows in Temporal to ensure compliance with regional regulations, resulting in \$2.9mm gross written premium.

Astronomer

May 2023 - January 2024

Software Engineer

New York City, NY, United States

- Launched trial-based on-boarding to serve 110 new clients by building new Go endpoints, modifying relevant front-end components in React, and integrating with Datadog to track incoming requests.
- Refactored the billing architecture using Airflow and Azure Blob Storage to introduce fault tolerance, data reconciliation, and retryable DAGs reducing invoice generation errors by 20%.
- Worked with Microsoft to integrate Astronomer as an Azure Native ISV service within the Azure Marketplace, involving the development of custom endpoints in Go and a custom usage-based billing workflow, generating \$230k in top-line revenue.

Amazon Web Services (AWS)

May 2022 - August 2022

Software Development Engineering Intern

Vancouver, BC, Canada

- Implemented a log parser in CloudWatch reducing customer tickets by 10%, targeting failed tasks in Airflow.
- Designed a system to ingest data across MWAA Environments into a Data Warehouse using AWS Redshift.

Squarepoint Capital

January 2022 - April 2022

Software Engineering Intern

Montreal, QC, Canada

- Wrote ETL pipelines in Python and deployed using Nomad to support 13+ quantitative trading strategies.
- Designed an asynchronous search platform to support regex searching of 100k+ documents.

PagerDuty

May 2021 - August 2021

Software Engineering Intern

Toronto, ON, Canada

- Customized dashboards in Sisense to track retention rate and crash rate for 7 screens, which were reviewed at weekly operations meetings and led to the discovery of 8 actionable tickets.
- Developed maintenance window feature on Android application using Java and Kotlin, collaborating with a cross-functional team comprised of designers, product managers, and engineers.

Pronti AI

January 2021 - December 2021

Software Engineer

Kitchener, ON, Canada

- Led the development of a flagship Android application with 1M+ downloads and 41k monthly active users.

Projects

Moodify

Python, Text2Emotion, Spotify API, Twitter API

Won Best Machine Learning Hack

- A python bot which tweets a Spotify playlist based on the emotions captured from a tagged tweet.

Education

University of Waterloo

September 2018 - April 2023

Bachelors of Honours Computer Science (Co-op)

Waterloo, ON, Canada