Jacob Mingolla

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Robin   **2022 → 2025**

Principal Software Engineer   2025 → 2025

- Led the development of a customer-facing LLM-powered Text-to-SQL chat application, democratizing data access for non-technical users without sacrificing accuracy
- Established the strategic vision and architectural blueprint for an organization-level REST API platform for multi-agent workloads, standardizing service-to-service streaming and rich UI functionality
- Provided technical governance over a critical cross-cloud migration of legacy services, minimizing both downtime and risk

Staff Software Engineer   2023 → 2025

- Integrated dashboard tooling for customer analytical visualizations, prioritizing security and seamless ecosystem integration
- Led the design and Airflow implementation of a highly-available, low-latency batch classification service to process millions of calendar events, providing foundational data integrity for downstream analytics
- Automated a zero-downtime, fully auditable migration pipeline of core analytical services from Redshift to Snowflake using Terraform, establishing a framework for developer self-service

Senior Software Engineer   2022 → 2023

- Architected and delivered a high-throughput solution for customer data exports, reducing P99 latency from 8 hours to under 30 seconds and restoring reliable service for key enterprise clients
- Spearheaded the creation of a production-mimicking testing platform utilizing secure, obfuscated customer data, resolving critical issues caused by unrealistic QA data and increasing developer confidence in shipping safe code

Brightcove, Inc.   **2016 → 2021**

Senior Software Engineer   2019 → 2021

- Designed, implemented, and patented a server-side ad insertion solution for client interactivity at enterprise scale, meeting strict infrastructure and design criteria
- Led design and implementation for a Kubernetes infrastructure monitoring system used by Brightcove's back-end engineers for dev-ops and crisis management
- Co-founder of organization-level initiative for documentation reform

Software Engineer   2016 → 2019

- Developed system for proactively monitoring customer analytics and predicting usage
- Orchestrated major version update for customer-facing REST API and assisted customers in configuring and upgrading plugin integrations

Invaluable, LLC *Software Developer Summer Intern*   **Summer 2014 & 2015**

Skills & Technology

Airflow	Docker	GraphQL	Kubernetes
LangGraph	Python	REST	Snowflake
SQL	Terraform	TypeScript	TDD

Education

Cornell University *Machine Learning Certificate*   Fall 2021
- Completed intensive courses on introducing foundations of machine learning via Python
- Coded mathematical models for linear classifiers and regression systems
- Implemented bi-weekly assignments in image recognition, spam classifiers, and deep neural networks using NumPy and PyTorch

Tufts University *BS Computer Science, magna cum laude*   2012 → 2016

Community

Last Hope K9 Rescue *Foster*   2019 → Present
- Helped 30+ dogs find their forever homes

Mudflat Pottery School *Student*   2018 → Present

Tufts University *Computer Science Teaching Assistant*   2014 → 2015
- Assisted students in coding and project design for beginner and data structures classes

Peer Health Exchange *Health Workshop Leader*   2013 → 2014
- Taught hour-long health workshops to Boston-area teenagers, designed to fill the gap left by an underfunded, understaffed district health program