

JAIV SHAH

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OBJECTIVE

Software developer with experience building scalable cloud infrastructure, AI-powered systems, and full-stack applications. Passionate about designing technical solutions that drive business adoption and reduce operational complexity in impactful domains.

EDUCATION

Bachelor of Technology in Software Engineering, McMaster University. 2023 - 2025
GPA of 3.8/4.0

Advance Diploma in Computer Engineering, Humber College. 2018 - 2021
Dean's Honors List

WORK EXPERIENCE

Software Developer Sept 2025 - Present
Auvik Networks *Canada, Remote*

- Architected an **AI-powered Slack assistant** using **LangGraph** and **OpenAI API**, implementing a **RAG (retrieval-augmented generation)** pipeline with **Pinecone** vector database to semantically index and query historical Slack threads — enabling teams to instantly surface relevant institutional knowledge and reducing repeated support questions across engineering channels.
- Designed an automated ingestion workflow that continuously synced new Slack conversations into **Pinecone**, keeping the knowledge base current and eliminating stale answers from the AI assistant's responses.
- Implemented **CQRS** with **gRPC** and **Go** to split read/write concerns in a multi-tenant microservice, reducing read latency by 35% under peak load and simplifying independent scaling of query handlers.
- Migrated legacy REST API to **GraphQL** architecture using Apollo Server and TypeScript, implementing **schema stitching** to integrate 3+ microservices across a distributed cloud environment — reducing API response time by 40% and improving frontend data fetching efficiency.
- Engineered highly responsive, accessible user interfaces with **React** and **TypeScript**, delivering seamless, production-ready features shipped weekly.
- Built reusable, scalable component libraries using modern React paradigms (**Hooks, Context, Storybook**), driving UI consistency across applications.
- Automated deployment pipelines using **Helm charts** to manage complex **Kubernetes** configurations, streamlining **CI/CD** workflows and ensuring repeatable, reliable microservice rollouts.

Full-Stack Developer April 2025 - Oct 2025
Auticon Canada *Canada, Remote*

- Built and deployed scalable backend infrastructure on **Google Cloud Platform (GCP)**, integrating **Firestore Authentication, Cloud Firestore**, and **Cloud Functions** to support thousands of user-generated assessments with **99.9% uptime**.
- Owned end-to-end development of a new location assessment service from design to production, architecting **TypeScript**-based APIs with **Firestore Cloud Functions** and implementing real-time data synchronization using **RxJS** observables, reducing data fetch latency by 40% through optimized Firestore queries and caching strategies.

- Delivered performance optimizations for a map-based web application, including viewport culling algorithms and **requestAnimationFrame**-based marker scaling — achieving smooth **60fps rendering with 1000+ concurrent markers** and reducing memory usage by 35% on mobile devices.
- Served as **technical advisor** to internal stakeholders, translating complex system architecture into clear recommendations; led onboarding and 30–45 minute technical walkthroughs for a junior developer covering full-stack architecture.
- Provisioned and managed **cloud infrastructure** using **Terraform** and **AWS**, implementing proper error handling, retry logic, and security rules across scalable backend services.

Backend Developer

Sept 2024 - Apr 2025

Google Developer Student Clubs, McMaster University

Hamilton, ON

- Collaborated with cross-functional teams to design and implement **scalable, secure APIs** and ensure smooth integration with front-end interfaces.
- Deployed **Node.js** microservices with **Docker** in **Kubernetes** environments, optimizing configuration for cost and performance.

Software Test Specialist (Co-op)

Sept 2023 - Sept 2024

General Motors

Toronto, ON

- Accelerated product releases by **25%** through development of a company-wide automation framework, reducing manual testing by **65%** and enabling seamless **CI/CD integration**.
- Designed and implemented end-to-end UI test automation, improving software reliability by **40%**.
- Leveraged **Robot Framework (Python)** with **Appium** to conduct comprehensive end-to-end testing of Android applications.

TECHNICAL SKILLS

Languages

Java, Go, Python, SQL, TypeScript/JavaScript

AI / ML

LangGraph, OpenAI API, RAG pipelines, Pinecone (vector database), prompt engineering

Libraries / Frameworks

React, Node.js, Next.js, gRPC, Kafka, RxJS, Apollo GraphQL, Robot Framework

Cloud & DevOps

Google Cloud Platform (GCP), Firebase, AWS, Terraform, Docker, Kubernetes (K8s), Helm, CI/CD, Datadog, Redis, PostgreSQL, Apache Flink

Developer Tools

Git, JIRA, K9s, Storybook