

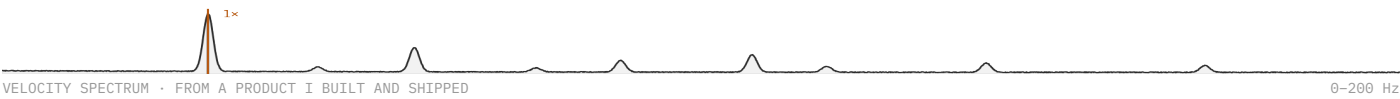
SWAN YAE HTET

GOES BY JASON

+1 604 355 6452 · swanyaehtet.jason@gmail.com

jasonkhaings.com · github.com/jkhaings

linkedin.com/in/jason-khaings-7414a2259



For 16 months I was the only engineer at my own industrial software company. I designed it, built it, sold it, and listened when customers said no. Now I want to ship with a team and learn from people who've done this longer.

01 EXPERIENCE

Founder & Software Engineer May 2025 – present
Khaings International Inc. · Vancouver · software that detects machine faults in factories before they cause breakdowns

- **Built and launched a complete web product solo:** upload machine vibration data, get a professional fault report. Python signal-processing engine, FastAPI + PostgreSQL, Stripe payments, PDF reports; ~2,500 automated tests; deployed on DigitalOcean.
- **Trained and deployed machine learning models:** Isolation Forest anomaly detection and statistical baselines that learn each machine's normal behaviour and flag drift early, running live on a dairy-plant sensor pilot.
- **Streamlined messy industrial data:** automatic format and schema detection for mixed instrument exports; caught silent errors (UTF-16 encoding, decimal commas, amplitude overflow) before any customer saw a wrong number.
- **Proved the engine's accuracy** against public bearing-fault datasets (CWRU, MFPT, MAFAULDA) and a 174-file regression corpus.
- **Ran the whole customer loop:** 500+ analyst network, cold outreach, phone discovery. Shipped fixes from reviews by a certified Category IV analyst and an SFU professor.
- **Used AI coding agents under a supervised, test-gated workflow:** every change verified by diff and test count, not the agent's summary.

Floor staff, shift lead Oct 2023 – Aug 2026 · part-time
Singapore Hawker · Burnaby

- Trained new hires and ran the floor during rushes. Three years of teamwork under pressure while finishing college and starting the company.

Web developer intern 2-month internship
Apave Myanmar · Yangon

02 THINGS THAT FAILED

Managed predictive-maintenance service 2025 – Jul 2026
Pitched BC plants on outsourced condition monitoring. Small plants didn't care, big ones stayed with incumbents. Pivoted to selling the engine to analysts.

Analyst-facing SaaS Jul – Sep 2026
Built it, deployed it, got experts to try it. Nobody used it twice. They want their vendor software feeding reports directly, with no AI in the loop. Stopped building, went back to discovery.

Two import/export ventures
Gemstones and LNG: sanctions, regulations, no reliable supply. Researched both the same way I test code, with every claim traced to a source, and killed both on paper before any money moved.

The pattern: I build fast, and I've learned to ask customers before building.

03 HOW I WORK

I take ownership. If I say something shipped, it shipped, and I can show you the test run that proves it.

I learn fast. Signal processing, machine learning, payments and auth were all new to me. The product needed them, so I learned them on the job.

I take feedback well. Customers told me no for months. I listened, changed course, and killed my own ideas when the evidence said to.

04 SKILLS

USED DAILY
Python, FastAPI, PostgreSQL, pytest, numpy / scipy, AWS, Linux

ML & DATA
scikit-learn (Isolation Forest), anomaly detection, DSP, time-series pipelines, InfluxDB

VERSION CONTROL
Git, GitHub, PR-based merge gates, GitHub Actions CI

SHIPPED WITH
Stripe, Google OAuth, HTML / CSS / JavaScript, Three.js, Node-RED

AI-ASSISTED ENGINEERING
Claude Code, run supervised and test-gated

05 EDUCATION

Columbia College, Vancouver
Associate of Science, Computer Science
Apr 2023 – May 2025

BEHS 1 Dagon, Yangon
High school · calculus tutoring assistant

06 LINKS

