

KEVIN HU

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TECHNICAL SKILLS

Languages: Java, Python, Go, C, C++, JavaScript, TypeScript, SQL, PHP

Frameworks/Libraries: React, MongoDB, Express, Angular, Next, Node, Supabase, GraphQL

Technologies/Tools: AWS, Kubernetes, Docker, Git, Redis, PostgreSQL, Jenkins, Postman, Linux

EXPERIENCE

Software Engineer Intern

May 2025 – Aug. 2025

SAP

Vancouver, BC

- Worked on a high-priority cloud migration project to better scale SAP infrastructure and internal tooling
- Lowered cluster costs by **13%** from deploying Golang-based microservices in autoscaling Kubernetes pods, hosted in cloud platforms like AWS, GCP, and Azure
- Enhanced cross-service fault tracing by collecting PostgreSQL connection error rates and Redis memory usage
- Paved the path for service deployment to a new canary environment by creating a Docker + Kubernetes workflow

Startup

Jan. 2025 – Apr. 2025

Intern Insider

Vancouver, BC

- Grew internship tech product to **80,000** monthly users with institutional adoption at 5 partner universities
- Built web scraping algorithm to fetch job postings from **300+** sites, using rotating proxies to avoid rate limits
- Used Docker and AWS Lambda to execute high-volume scraping tasks in parallel with minimal latency

Software Engineer Intern

Jan. 2024 – Aug. 2024

ATPCO

Dulles, VA

- Reduced annual costs by **\$14,500** from replacing MySQL with RocksDB in flight pricing engine
- Automated daily cleanup of **100,000+** feeds in production by writing a Python script that called AWS S3 Express and queried DynamoDB for expired feeds
- Created a testing utility using Java and OpenCSV library that scans through CSV files and returns duplicate fares
- Optimized AWS microservices and CI/CD workflows by **20%** from migrating Cloudwatch pipeline to Jenkins

Software Developer Intern

Sep. 2023 – Dec. 2023

Enerflex

Calgary, AB

- Built an algorithm that selects the optimal water pipeline configuration based on given user inputs
- Cut a **10** hour process to under **1** hour by automating site archivals and migrations using a Python script

SELECTED PROJECTS

Nerve - AI Dispatch Assistant [Hackathon Winner] | *Next.js, TypeScript, Socket.io, Supabase* Mar. 2025

- Built a real-time monitoring dashboard for emergency responders with video streaming via Socket.io
- Integrated sentiment analysis using AssemblyAI and TensorFlow models that transcribed live footage

PandaPath - Safe Walking App | *React Native, Express.js, MongoDB, JWT* May 2023

- Pioneered a full-stack mobile app that uses VPD crime data and Google Map's API to create a safe walking route
- Designed an Express.js REST API secured with bcrypt-encrypted passwords and JWT-based authentication

EDUCATION

University of British Columbia

Expected Graduation: Dec. 2026

Double Major in Computer Science & Business, Co-op

Vancouver, BC

- **3.85** GPA, **3x** Dean's Honor List, **Top 10%** in Faculty
- **Relevant Coursework:** Data Structures and Algorithms (A+), Object Oriented Programming in Java (A-), Computer Architecture (A), Relational Databases (A), Software Engineering (A)
- **Extracurriculars:** Senior Developer @ BizTech, UBC Esports Association, UBC CS Student Association

Yonsei University

Sep. 2024 - Dec. 2024

Go Global Study Abroad Program

Seoul, KR