

SAMUEL KIM

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SUMMARY

Computer Science undergrad with full-stack internship experience building scalable web services used by 1,700+ users using TypeScript, React, and GraphQL. Quick learner and creative problem-solver, eager to apply hands-on skills to real-world software challenges.

EXPERIENCE

Savi Finance – Fintech startup (1.7k users)

Jan. 2024 – Aug. 2024

Software Engineer Intern | *TypeScript, GraphQL, Node.js, Nx*

Remote

- Launched a core income/expense categorization feature in 7 days, which enabled the product team to ship ahead of schedule and meet customer expectations.
- Automated transaction-email ingestion pipeline with AWS (SES,SNS,SQS) and OpenAI 4o-mini, improving data consistency for 400+ users and eliminating manual categorization steps (~35 sec saved per email).
- Led an 8-step, zero-downtime database migration, ensuring uninterrupted service across all financial platforms.
- Verified GraphQL microservice endpoints using Playground, curl & MongoDB Compass, and implemented Jest smoke tests to catch regressions before production, boosting release confidence.
- Authored three Agile-ready technical specifications (API design, workflow automation, categorization logic) alongside PMs, designers, and consultants to accelerate releases.

PROJECTS

Muse | *Go, GraphQL, React, PostgreSQL, Redis, Docker*

- Designed & implemented a GraphQL API (30+ types/resolvers) in Go using cursor-based pagination and connection patterns, enabling efficient, scalable music discovery.
- Engineered a Redis-based caching layer for Spotify API calls, slashing album search latency by 87% (665→81 ms).
- Integrated Spotify Web API via OAuth2 to ingest real-time song and album metadata and manage user authentication.
- Implemented a GitHub Actions-based CI/CD pipeline with automated unit and integration tests, benchmarking, linting, and security scans—achieving 68% overall code coverage.

FoodTalk | *PHP, CSS, HTML, SQL, Oracle*

- Led a 3-person team to build a social platform, implementing user authentication, post creation, and profile management.
- Delivered core features on a strict 6-week Agile sprint schedule, integrating the PHP frontend with an Oracle database to ensure seamless data flow and on-time launch.
- Optimized Oracle SQL queries to reduce response times by 20% and authored detailed technical documentation covering implementation decisions and database schema for maintainability.

BudgetView | *Java Spring Boot, React, MongoDB, Plaid API*

- Architected a Spring Boot MVC backend (controllers, services, repositories) and React frontend in 8 weeks, integrating Plaid API for secure, real-time transaction tracking and categorization.
- Refactored controllers with DTOs and cut median API latency 25% (230ms→170ms) measured via Postman benchmarks.

EDUCATION

The University of British Columbia

December 2025 (Expected)

Bachelor of Science, Combined Major in Science (Computer Science & Physics)

Vancouver, BC

Relevant Coursework: Data Structures and Algorithms, Database Systems, Computational Data Science, Intro. Artificial Intelligence, Computer Networking, Reliability and Security, Computer Systems and Hardware

SKILLS

Languages: Python, Go/Golang, TypeScript, HTML, CSS, SQL, Java

Frameworks: Node.js, Express, gqlgen, Spring Boot, Flask, JUnit

Libraries & APIs: GraphQL, REST API, MongoDB, Mongoose, React, JSON-RPC, Nx

Tools: Git, Linux, Postman, Docker, Jira, Confluence, GitHub, Redis, AWS