

SAMUEL KIM

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SKILLS

Languages: C, C++, JavaScript, TypeScript, HTML, CSS, SQL, Python, Java

Frameworks: Node.js, Express, React, Spring Boot, Flask

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

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

EXPERIENCE

Savi Finance

Remote

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

Jan. 2024 - Sep. 2024

- Delivered an income and expense categorization system in just 7 days, contributing to a successful product release ahead of the scheduled launch date and meeting project deadlines.
- Automated transaction email parsing and categorization using AWS services (SNS, SQS, SES) and OpenAI 4o-mini, reducing customer workload by 35 seconds and enhancing data flow for over 400 users.
- Led an 8-step, zero-downtime database migration, ensuring uninterrupted service across all financial platforms.
- Architected 3 technical documents for automating transaction processes and categorization systems, collaborating with product managers, designers, and technical consultants for strategic planning.

PROJECTS

FoodTalk | PHP, CSS, HTML, SQL, Oracle

Dec. 2023

- Led the development of core features such as user authentication, post creation, and profile management, ensuring smooth integration between the frontend and the Oracle database, and improving user engagement.
- Collaborated in a team of 3 to design, test, and launch 'FoodTalk,' a dynamic social platform for food enthusiasts, meeting tight deadlines within 6 weeks by following Agile methodology.
- Optimized SQL queries, reducing database query time by 20%, resulting in faster and more efficient data retrieval.
- Authored comprehensive documentation, including testing procedures, app functionality, and UML diagrams mapping database relationships, ensuring long-term maintainability.

BudgetView | Java Spring Boot, React, MongoDB, PlaidAPI

Nov. 2023

- Spearheaded the development of a full-stack finance app in 8 weeks, integrating MongoDB and Plaid API to securely connect real-world bank accounts for tracking and categorizing financial transactions.
- Developed and deployed RESTful APIs for user management, incorporating OAuth 2.0 for secure authentication and account creation.
- Implemented CRUD operations for transaction and account management using DTOs, boosting system efficiency by 25% and streamlining backend-to-frontend data flow.
- Built a scalable backend architecture with Spring Boot, optimizing API response times and ensuring reliable performance under increased traffic.

RecipeScout | Python, Flask, HTML, CSS, JavaScript

Aug. 2023

- Engineered a recipe search app that allows users to input ingredients and dynamically scrape recipes from AllRecipes.com, enabling users to discover meals they can make with available ingredients.
- Accelerated search speed by 15% through the implementation of asynchronous web scraping and multi-threading, resulting in a more seamless real-time recipe discovery experience.
- Designed a responsive, user-friendly interface that adjusts seamlessly across different screen sizes, ensuring accessibility and ease of use for both desktop and mobile users, elevating the overall user experience.

EDUCATION

The University of British Columbia

Vancouver, BC

Bachelor of Combined Major in Science (Computer Science)

Expected 2025

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