

SAMUEL KIM

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SKILLS

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

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 (SNS, SQS, SES)

EXPERIENCE

Savi Finance

Jan. 2024 - Sep. 2024

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

Remote

- Developed an income and expense categorization system in just 7 days, contributing to a successful product release ahead of the scheduled launch date.
- Automated transaction email parsing and categorization using AWS services and OpenAI 4o-mini, enhancing data flow for over 400 users and reducing customer workload by 35 seconds.
- Led an 8-step, zero-downtime database migration, ensuring uninterrupted service across all financial platforms.
- Collaborated with a cross-functional team of 5, including product managers, designers, and technical consultants, to architect 3 technical documents for automating transaction processes and categorization systems in an Agile workflow.

PROJECTS

FoodTalk | PHP, CSS, HTML, SQL, Oracle

Dec. 2023

- Led the development of core features including user authentication, post creation, and profile management. Ensured smooth integration between the frontend and the Oracle database, 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 the Agile methodology.
- Optimized SQL queries, reducing database query time by 20% for faster and more efficient data retrieval.
- Authored comprehensive documentation, including testing procedures, app functionality guides, and UML diagrams of 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.
- Boosted system efficiency by 25% by implementing CRUD operations for transaction and account management using Data Transfer Objects, 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 for a 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.

EDUCATION

The University of British Columbia

Expected 2025

Bachelor of Combined Major in Science (Computer Science)

Vancouver, BC

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