JACKIE MA

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EXPERIENCE

Full-Stack Developer
TeraDrive

Sep 2023 – Dec 2023

Burnaby, BC

- Designed and developed a full-stack web-based case tracking system using Monday.com API, streamlining case management and improving team collaboration by consolidating data to a single platform
- Created and implemented a PostgreSQL database to migrate all data from Monday.com, ensuring seamless data transition and enhancing data management flexibility for future scalability
- Developed intuitive features to allow users to perform CRUD operations on the PostgreSQL database, streamlining data management and improving overall user efficiency
- Estimated annual labour savings of over $13,000 by reducing daily workload by ten minutes per employee for a team of ten at $30/hour

Software Developer
MealPlanIQ

Apr 2023 – May 2023

Burnaby, BC

- Developed a feature-rich web application to generate customized meal plans, significantly improving user engagement and satisfaction by offering tailored solutions
- Implemented personalized meal plans that integrated BMI and dietary restrictions, leading to more relevant meal recommendations and improved user experience
- Hosted web application and database on Google Cloud Platform, ensuring seamless scalability and minimal downtime for uninterrupted access

Junior Technician
Bingham + Hill Architects

Sep 2021 – Dec 2021

Vancouver, BC

- Collaborated with architects and engineers to interpret and implement drawing revisions, ensuring design changes were accurately reflected in final project plans
- Conducted detailed reviews and analyses of project specifications to confirm accuracy and alignment with the design intent, facilitating smooth project execution and reducing errors in construction documentation

Building Technologist
STA

Mar 2021 – Sep 2021

Vancouver, BC

- Carefully evaluated and refined drawing packages prior to client review and permit submission, ensuring compliance with regulatory standards and minimizing approval delays
- Collaborated with manufacturers to gather and compile project specifications, aligning material choices with both design requirements and client expectations for quality and functionality

PROJECTS

PromptVisioQuiz | *Node.js, Express.js, JWT, Python, Flask, PostgreSQL, stable-diffusion*   Nov 2023 – Dec 2023
- Built a full-stack web application that dynamically generates questionnaires, enabling customizable user interactions and enhancing flexibility in questionnaire creation
- Implemented a machine learning model for image generation, enabling users to select correctly generated images and self-hosted the solution to ensure full control over deployment and performance

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, C#, SQL, Swift, Kotlin, PHP, HTML, CSS
Frameworks: .NET, Node.js*, Express.js, Flask, Laravel
Databases: PostgreSQL, MySQL, MariaDB, SQLite, Firebase

EDUCATION

Bachelor of Science in Applied Computer Science
British Columbia Institute of Technology

Sep 2024 – May 2026

Burnaby, BC

Diploma in Computer Systems Technology
British Columbia Institute of Technology

Jan 2022 – Dec 2023

Burnaby, BC