

# JACKIE MA

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## EXPERIENCE

### Full-Stack Developer (Contract)

Sep 2023 – Dec 2023

*TeraDrive*

*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

### Software Developer (Contract)

Apr 2023 – May 2023

*MealPlanIQ*

*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 (Keyholder)

Sep 2021 – Dec 2021

*Bingham + Hill Architects*

*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 (Keyholder)

Mar 2021 – Sep 2021

*STA*

*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

### Trendify (Hackathon) | *HTML, CSS, JavaScript, Node.js, Express.js, Google Trends API*

Mar 2023

- Integrated Google Trends API to fetch real-time data on programming language popularity, enabling insights based on current trends
- Designed and implemented frontend features allowing users to filter data by country, region and time period for more targeted analysis

## 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

Sep 2024 – May 2026

*British Columbia Institute of Technology*

*Burnaby, BC*

### Diploma in Computer Systems Technology

Jan 2022 – Dec 2023

*British Columbia Institute of Technology*

*Burnaby, BC*