

# Eric Tan

SOFTWARE ENGINEER · COMPUTER SCIENCE GRADUATE · BRITISH COLUMBIA INSTITUTE OF TECHNOLOGY

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## About Me

**Programming** Python · Java · JavaScript/TypeScript · React/React-Native · Vue.js · SQL · Amazon Web Services (AWS)  
**Skills** Relational Databases · CI/CD Pipelines · Computer Networking · Agile Methodology  
**Tools** Git · n8n · Docker · Android · Visual Studio Code

## Work Experience

### Play On! Canada

Vancouver, BC

FULL-STACK DEVELOPER II

June 2023 - Present

- Implemented Braintree and Stripe payment processors for seamless online transactions, enhancing user experience and payment security.
- Integrated n8n as the backend workflow automation tool, streamlining data processing and workflow management for improved data integrity and operational efficiency.
- Employed lazy loading techniques to optimize image asset loading, reducing initial load times by 30%.
- Conducted software testing to identify and rectify bugs while documenting processes, increasing efficiency by 18%.
- Main technologies: React, TypeScript, n8n, and PostgreSQL

### IOTO International Inc.

Vancouver, BC

SOFTWARE ENGINEER

October 2022 - June 2023

- Implemented, tested, and deployed REST API using AWS API Gateway and Serverless Application Model (SAM) for production and development.
- Automated municipal councilors' Twitter scraper by creating a daily executable script, reducing manual effort and new queries by 75%.
- Provisioned AWS cloud computing services using IaC (AWS Cloudformation).
- Optimized average AWS CodePipeline build phase by 89% from 8 minutes to 50 seconds by caching Docker layers and dependencies.
- Main technologies: Python, Amazon Web Services (AWS), PostgreSQL, and Docker.

### Love Your Planet Foundation

Burnaby, BC

SOFTWARE DEVELOPER INTERN - MOBILE APP

January 2022 - July 2022

- Coordinated with a short-cycle, agile, iterative development team to build and ship a social media Android app minimum viable product.
- Improved user acquisition rate by 19% by integrating cross-app post-sharing with Facebook and Twitter platforms.
- Refined user experience and engagement by designing a deferred deep linking flow with less friction.
- Implemented law and petition pages, pulling data from the Canadian House of Commons' site and displaying it for users to follow or share.
- Main technologies: React Native, Redux, Node.js, MongoDB, and Heroku.

## Projects

### InstaTune Bot

Vancouver, BC

PERSONAL PROJECT

September 2024

- Developed an automated Instagram posting system that integrates with the Spotify API to detect new music releases and AWS S3 for image retrieval.
- Leveraged Node.js to handle complex API interactions, including OpenAI for creative content and Facebook Graph API for Instagram automation.

### Spell-It!

Vancouver, BC

PERSONAL PROJECT

May 2022

- Built an educational learning game from end to end, practicing CI/CD pipeline workflow through Microsoft Azure and Github Actions.
- Architected the app design using the Model-View-Controller (MVC) pattern.

### TimeKeeper

Burnaby, BC

ACADEMIC PROJECT

February 2022 - June 2022

- Led the development of a timesheet service app from scratch, able to automate project management for over 3000 employees.
- Designed a graphical user interface for users to perform advanced, multi-level queries to a MySQL database.

## Education

### British Columbia Institute of Technology

Burnaby, BC

B.SC. IN COMPUTER SCIENCE

Grad. June 2022

- Dean's Award: 4.00/4.33 GPA