

# Eric Tan

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## SKILLS

**Languages:** JavaScript, TypeScript, SQL, Python, Java, C#, HTML, CSS

**Frameworks & Libraries:** React, Vue.js, Node.js, Express, JQuery, KendoUI, Pandas, Beautiful Soup

**Cloud & DevOp:** Amazon Web Services (AWS), Google Cloud Platform (GCP), Vercel, Firebase

**Other Technologies:** PostgreSQL, MongoDB, Git, OpenAI, Docker, N8n, FusionAuth, Figma

## EXPERIENCE

### Play On! Canada

June 2023 – Present

*Full-Stack Developer — React, TypeScript, Node.js, PostgreSQL, GCP, Vercel*

Vancouver, BC

- Led the development of a tournament management system for Canada's largest street hockey events, improving operational efficiency by streamlining scheduling, team management, and real-time updates for 2.5 million users
- Reduced manual testing time by 90% by implementing automated build pipelines, enabling continuous integration and deployment, and accelerating release cycles from weekly to daily
- Integrated Stripe and Braintree payment processors, reducing payment processing time by 50% and enhancing transaction security, enabling seamless online payments for thousands of participants
- Connected Sanity Studio with Vercel, configuring a structured CMS workflow that empowered non-technical staff to manage newsletter updates independently, reducing developer workload and ensuring timely site changes

### D3 Security

November 2022 – May 2023

*Full-Stack Software Engineer — React, KendoUI, Python, C#, MongoDB*

Vancouver, BC

- Resolved critical software bugs and conducted thorough code reviews, improving system stability and contributing to a 95% client satisfaction rate
- Implemented secure authentication and authorization using Microsoft Identity Platform, ensuring 99% uptime and supporting 10,000+ active users with a seamless login experience
- Migrated legacy Web Methods to a modern API structure, increasing system performance by 30% while enhancing code maintainability and compatibility

### IOTO International Inc.

October 2021 - January 2022

*Software Engineer Intern — Python, AWS, PostgreSQL, Pandas, Docker*

Vancouver, BC

- Engineered machine learning-driven features for Goverlytics platform that analyzes 500+ bills daily, delivering content providers with real-time political insights, and increasing user engagement by 35%
- Optimized AWS CodePipeline builds by caching Docker layers and dependencies, reducing build times from 8 minutes to 50 seconds and accelerating development cycles
- Automated municipal councilors' Twitter scraper with a scheduled script, reducing manual effort and cutting new query requests by 75%

## PROJECTS

### NBA All-Star Selector | Python, Pandas, NumPy, Scikit-learn

- Built a machine learning pipeline that classified NBA players as All-Stars with 97% accuracy, using 60,000+ box scores and 12,000+ seasons from basketball-reference.com, cleaned and transformed into model-ready inputs
- Conducted Principal Component Analysis (PCA) and model evaluation (Logistic Regression, Random Forest, Gradient Boosting) to uncover patterns in player performance and identify key predictors of All-Star status

### InstaPost AI | JavaScript, Node.js, OpenAI, AWS

- Built an automated Instagram posting system that detects new music releases via Spotify API and retrieves images from AWS S3, reducing manual effort by 95%
- Leveraged a Node.js backend to manage API interactions, integrating OpenAI for AI-generated captions and Facebook Graph API for seamless Instagram automation

## EDUCATION

### British Columbia Institute of Technology (BCIT)

Burnaby, BC

*Computer System Technology Diploma (with Distinction)*

June 2022