Eric Tan

604-446-2938 | erictansde@gmail.com | erichasatan.github.io | linkedin.com/in/erictan2001

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, N8n, GCP, OpenAI — Vancouver, BC
- Led the development of a tournament management system for Canada's largest street hockey events, using React, TypeScript, and Node.js to streamline scheduling, team management, and real-time updates
- Reduced manual testing time by 90% by implementing automated build pipelines, enabling continuous integration and deployment, and accelerating release cycles from weekly to daily
- Developed and maintained RESTful API endpoints using Node.js, Express, and PostgreSQL, implementing proper validation, caching, and error handling, to ensure stable data flows during multi-day tournament operations
- Integrated Stripe and Braintree payment processors, reducing payment processing time by 50% and enhancing transaction security, enabling seamless online payments for thousands of participants

D3 Security — November 2022 – May 2023
Full-Stack Software Engineer — React, Python, C#, .NET, MongoDB — Vancouver, BC
- Created various application commands using C# and Python, including system utility commands, integration commands, and custom commands
- Migrated legacy Web Methods to a modern API structure, increasing system performance by 30% while enhancing code maintainability and compatibility
- Implemented secure authentication and authorization using Microsoft Identity Platform, ensuring 99% uptime and supporting 10,000+ active users with a seamless login experience

IOTO International Inc. — October 2021 - January 2022
Software Engineer Intern — Python, AWS, PostgreSQL, Pandas, Docker — Vancouver, BC
- Engineered Python machine learning features for the Goverlytics platform, analyzing 500+ legislative bills daily and delivering real-time political insights that increased 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 using a scheduled Python script, reducing manual effort and cutting new query requests by 75%

PROJECTS

UFC Fight Predictor | *Python, Pandas, NumPy, Scikit-learn*
- Built a machine learning pipeline that predicted UFC fight winners with 85%+ accuracy, using 5,000+ historical fight records scraped from UFCStats.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 fighter performance and identify key predictors of fight outcomes.

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