Tim Jones

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Full-stack developer with experience building scalable web applications, managing data systems, and deploying robust cloud-based solutions. Passionate about creating innovative products and staying ahead of emerging technologies like AI.

EDUCATION

University of Waterloo, Waterloo, Ontario
Major: Management Engineering with Computing, Honours, Co-operative Program
Relevant Coursework: Advanced Machine Learning (Python), Search Engines (Go), Data Structures/Algorithms (Java)

PROFESSIONAL EXPERIENCE

Evertz, Remote/Burlington   April 2024 – Present
Project Engineer
- Designed and deployed **file-based media workflows** and playout systems for broadcast and OTT delivery.
- **Automated workflow scripts** in Python to streamline operations and reduce manual configuration.
- Migrated core systems from **Ubuntu Bionic to Jammy** improving stability and security compliance across 100+ nodes.
- Built and managed **on-prem virtualization clusters** (VMware) for scalable testing and faster feature validation cycles.
- Integrated third-party hardware, software, and APIs to build end-to-end content supply chains.
- Refactored complex SQL joins and indexing strategies, achieving an **80% drop in query latency**.

Weather Network, Remote/Oakville   Sept 2022 – Dec 2022 (co-op)
Software Developer - Data
- Optimized data pipeline for direct loading into Google BigQuery (Python) removing use of Google Cloud Storage.
- Automated weekly tasks using Apache Airflow (Python), resulting in **savings of over 60 minutes per week**.
- Managed large databases, ensuring accuracy through monitoring of performance, using Google Cloud Platform.
- Implemented data verification on API using Python, Node.js, and React, resulting in a **10% reduction of errors**.

Ultimate Kronos Group (UKG), Remote/Toronto   Jan 2022 – April 2022 (co-op)
Full Stack Developer
- Implemented A11y Accessibility standards **improving users engagement by 8%.**
- Developed web services and features for web application using Angular, SQL Server, Java and REST API
- Used Karma and Cypress to rebuild end-to-end testing infrastructure **reducing test time by 33%.**

RVezy, Remote   May 2021 – Aug 2021 (co-op)
Full Stack Developer
- Rebuilt web application front-end by migrating from Ember.js to Vue.js
- Implemented service tracking and notifications to **reduce errors by ~30%** using Zendesk, Angular, and SQL.

Flowmetrix Technical Services (Smith Cameron Group), Remote   Sept 2020 – Dec 2020 (co-op)
Data Analyst
- Project lead on building data pipeline processing 10K+ financial records to maximize and uncover revenue streams.

Ontario Lottery and Gaming Corporation, Toronto.   Jan 2020 – June 2020 (extended co-op)
Quality Assurance Developer; iOS, Android
- Increased scope of error logging within mobile test automation and data migration pipelines using Java, Python, SQL.

PERSONAL PROJECTS

DreamSprout, www.dreamsprout.ca
React · React Native · TypeScript · Supabase · PostgreSQL · OpenAI API · Node/Express
- Built an AI-powered dream journal app with story and image generation, dream analysis with **1000+ dreams saved**.
- Integrated Supabase authentication through GCP with guest mode and deployed app on Railway for over **100+ users**.

SKILLS

Technical Skills: Python, Node.js, React, Java, Typescript, Git, HTML, JavaScript, CSS, SQL, GCP, .Net, Docker, Linux
Skills: Project Management, Scrum, Agile, Kanban, A11y Accessibility Standards