

Andrew Daniel Singari

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WORK EXPERIENCE

Web Developer

May 2023 - Present

SightSage Foods and Nutrition Inc.

Richmond, BC

- Developed an enterprise-level web application for real-time data analytics in e-commerce using **ReactJS, NextJS, TypeScript, Tailwind CSS, Python, and AWS (Lambda, S3, RDS, EKS)**, incorporating microservices architecture, CI/CD pipelines with **AWS CodePipeline**, and **CRM** integration.
- Implemented and fine-tuned machine learning algorithms to optimize recommendation engines, achieving a 15% increase in customer engagement.
- Supported an e-commerce platform, resolving **SQL**, telemetry (DataDog, Dynatrace), and scripting issues. Managed JIRA requests, ensuring SLA compliance, and performed fixes in a Linux environment.

Web Developer Intern

August 2022 - February 2023

Coast Spas Manufacturing

Langley, BC

- Developed an AI-driven product recommendation system in Python utilizing machine learning models like collaborative filtering using **Python** and integrating it into a web application.
- Completed the migration of OAuth system while ensuring zero-downtime using **PHP and C#**.
- Automated and shipped a warranty portal web application. Enhanced the system by integrating **RESTful APIs** for seamless data management, utilizing **React** to optimize the user interface.
- Integrated E-Commerce websites with **Microsoft Dynamics 365 CRM & Syspro ERP** system for automated entering of sales orders and invoices. Developed and deployed a serverless function using **Azure Cloud Functions, Microsoft Graph API, TypeScript, and PHP** send customers' invoice PDFs via email.

Machine Learning Engineer (Contract)

June 2021 - June 2022

Worldlink Exports

Remote

- Implementation of a scalable, cloud-based data processing and analytics platform, integrating machine learning algorithms for automated data preprocessing pipelines, reducing preprocessing time by over 30%.
- Created custom **Power BI** reports for clients, utilizing DAX queries on multiple tables. Reduced manual intervention by 25%, resulting in time saving and enhanced productivity.

Skills: Power BI: Power Query, MDX, DAX, MySQL, Data Warehousing, Git, Node.js

PROJECTS

Cognitive Games



- Collaborated with a team. Games aimed at assisting dementia patients. Utilized **MicroPython** on an **ESP-32** microcontroller to integrate hardware and software components seamlessly. Real-time data recording of players' performance was sent to a remote server using **PHP** and **MySQL** to record, visualize, and analyze performance data retrieved from database on the web application.

EDUCATION

Trinity Western University *British Columbia*

BSc Computer Science

SKILLS

Front-End	HTML, CSS, Javascript, Typescript, React, Next.js, Jest, jQuery, AJAX, Webpack, Babel, Shopify, Joomla, Wordpress
Back-End	Node.js, Python, Django, Flask, PHP, C#, RESTful API, Selenium, JUnit, Postman, MySQL, PostgreSQL, MongoDB, Redis, MS SQL Server, SEO
Model Deployment	Linux, Docker, Jenkins, Kubernetes, Microsoft Azure, Git