Andrew Daniel Singari

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EDUCATION

TRINITY WESTERN UNIVERSITY
Bachelor of Science B.Sc.
Computer Science
Langley, BC | GPA: 3.8

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#, Java, RESTful API, Selenium, JUnit, Postman, MySQL, PostgreSQL, MongoDB, Redis, MS SQL Server, SEO

MODEL DEPLOYMENT

Linux, Docker, Jenkins, Kubernetes, AWS, Git

EXPERIENCE

SIGHTSAGE FOODS AND NUTRITION INC. Web Developer
May 2023 - Present | 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 CMS 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.

COAST SPAS MANUFACTURING Software Developer
August 2022 – February 2023 | 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, 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 to send customers' invoice PDFs via email.

WORLDLINK EXPORTS Machine Learning Engineer (Contract)
June 2021 - June 2022 | Remote

- Implemented 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, reducing manual intervention by 25%, resulting in time saving and enhanced productivity.

PROJECTS

COGNITIVE GAMES

- Collaborated with a team to develop 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 the database on the web application.