Evan Clark

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WORK EXPERIENCE

Orveto Technologies – Aadt.com
May, 2021 – Present

Software Developer
Vancouver, British Columbia

- Performed full-stack development for an AI driven web app that processes business expense reports. Utilized C# to create a secure API that managed users, their properties, and important financial information. This information was parsed and stored in multiple relational databases through SQL queries on the backend. Utilized JavaScript/React, SASS, and NextJS to create an intuitive and reactive interface for the frontend.
- Setup Docker and Docker-swarm for multi-container projects in an Ubuntu server environment, utilizing Docker secrets to ensure security. The Docker Compose files made use of both existing Docker images and custom-built ones stored in Azure.
- Performed the data transfer and setup from various on-premise and cloud environments to Dynamics 365, with a focus on SharePoint Online. Utilized the Office365 Python API and PowerShell Cmdlets to streamline the process, along with custom PowerApps solutions that ran in the cloud.
- Performed environment to environment Dynamics 365 transfers, retaining custom entities, relationships, and entire solutions with complex dependencies on one another.
- Worked on overseeing the 4-tier role security of Finance and Operations environments, including managing users in Azure, and automating the security logging.
- Helped build out secure internal sites in MS Portals, with custom frontends that interfaced with Dynamic 365 entities, and role-based endpoints to prevent unauthorized access.
- Developed a multithreaded data migration solution in Python for Suncor Energy that uploaded millions of files with versioning and metadata information to the cloud.
- Worked on integrating Tesseract OCR in Python into other software solutions for the quick reading of business-related documents in non-text formats such as photographs.
- Presented and explained technical solutions to business orientated clients in clear laymen terms during pre, ongoing, and post development stages.

EDUCATION

University of the Fraser Valley
September 2017 - June 2023

Bachelor of Computer Science
Abbotsford, British Columbia

- GPA 3.68 – Graduated with Distinction
- Upper-Level course work included topics such as Machine Learning, Operating Systems, Network Architecture, Natural Language Processing, and Scalability of Big Data Processing.

PERSONAL PROJECTS

NLP on OkCupid – github.com/evancosmos/NLP-on-OkCupidData

- Used Natural Language Processing to vectorize the self-introductions of OkCupid Profiles. These vectors could then be processed by the Multi-layered Perceptron machine learning model to predict traits about the users such as age, gender, education level, and other traits available on the site.
- Created elegant visualizations for 3-dimensional data in a 2-dimesional space using heatmapping and Matplotlib.