Jayden Arquelada

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Experience

Amazon Web Services (Aurora Control Plane)

SDE II   July 2023 - Present

SDE I   August 2021 - June 2023

- Develop customer facing features, ensuring fault tolerant, scalable, systems are in place to deliver a quality customer experience
- Coordinate deployments of necessary components and configurations into different regions, to release features to customers globally
- Mentor a fellow SDE, as well as assist new hires with onboarding and working towards specific deliverables
- Identify and design solutions for features and issues; carefully considering technical details, making data driven decisions, and coordinating timelines and expectations with key stakeholders
- Impart knowledge on projects by leading knowledge sharing sessions and writing up documentation, educating others on the work accomplished, and creating artifacts that can be referenced in the future
- Drove testing initiatives for a project, ensuring there were no performance regressions before release

CommerceBear

Software Engineer   September 2020 - July 2021

- Integrated e-commerce platform APIs (including Wayfair, Overstock, and Amazon) into a single platform
- Improved system efficiency and stability through initiatives such as decoupling heavyweight processing, and enhancing data processing methods
- Coordinated and drove production (application, database, and infrastructure) deployments, every other sprint
- Collaborated closely with other teams (such as product and operations), to help prioritize and decide which features to implement
- Developed full-stack applications using utilizing technologies including Svelte, Node.js, and various AWS products

Architech

Co-op Software Engineer   May 2019 - August 2019

- Worked on a conversational project using Google Dialogflow, Google Actions, Firebase (Cloud Firestore & Cloud Functions), and Node.js
- Researched platforms and tools, including cross platform mobile development (Flutter, React Native, & Ionic), as well as Docker and Kubernetes, preparing technical papers for the company
- Worked on a web application for the company's 15-year event to capture and visualize user responses in an application built with Node.js, React, and MongoDB
- Built and deployed a proof of concept, using machine learning (scikit-learn and SciPy) to predict the most efficient configuration of a production line

Education

University of Toronto   Graduated June 2020

- Honours Bachelor of Science, Computer Science
- Teaching Assistant - Operating Systems, Introduction To Computer Science