Stella Wang

Software Developer

Experience

Amazon Web Services (Apollo) July 2023 - Current

Software Dev Engineer

- Responsible for the data plane of the deployment engine that serves all Amazon and AWS services by deploying millions of packages to millions of hosts across the world everyday
- Ensuring availability and scalability of package data to the respective servers and data centers and executing deployment code on end hosts to serve applications for customers
- Involved in the first step of building new data centers; in new regions, before any AWS services are running, Apollo is responsible for deploying all artifacts that new services need to start running

Amazon Web Services (Timestream) June – September 2022

Software Dev Engineer Intern

- Increased customer satisfaction by implementing bulk import for JSON files from S3 to Timestream
- Expedited feature launch date by 2 months by managing the user story: researching customer requirements, leading design reviews, documenting high level & low level designs, implementing a file parser in Java, implementing exception handling, testing edge cases, and updating the API model

MLH Fellowship January – April 2022

Solana Fellow

- Extended web3.js library usability by implementing missing RPC calls in TypeScript that allow reading, writing, and executing transactions from the Solana blockchain
- Allowed full stack dApps to be created in under one hour for new blockchain developers by creating a Vue dApp scaffold and adding tutorial code snippets to the Solana Cookbook

SAP September 2020 – May 2021

Agile Developer Intern

- Collaborated with UI/UX and product teams to develop frontend features on SAP Analytics Cloud homepage using TypeScript and Jasmine for enterprises such as Apple & Porsche
- Reduced testing time by 5 hours per week by automating frontend tests using Selenium
- Improved SAP HANA backend performance by 8% by reducing redundant SQL calls in Jav

Education

University of British Columbia September 2018 - May 2023

Bachelor of Applied Science in Computer Engineering with Distinction

GPA: 4.00/4.33

Projects

BLM Tracker - *MLH Fellowship Orientation Hackathon finalist* Jun 2020

- Created a dynamic heatmap webapp that shows areas in the US with the most active BLM movement using a Tweepy twitter scraper, MongoDB database, Google Maps API, Keras/ TensorFlow data analysis, Python backend and Flask frontend

Custom Operating System (OS161) Dec 2021

- Implemented critical kernel infrastructure in a teaching operating system, including synchronization primitives, processes and file tables, system calls and virtual memory in C

Skills

Languages: Java, C/ C++, JavaScript, TypeScript, Ruby, Python, SQL, HTML, CSS

Technologies: Git, React, Vue, Express, MongoDB, Jasmine, Jest, Junit, Selenium