

Stella Wang

Software Developer

Experience

Amazon Web Services (Apollo Data Plane)

July 2023 - Current

Software Dev Engineer

- Developing and maintaining the deployment engine that serves all Amazon and AWS services by moving millions of packages to millions of hosts across the world everyday
- Reworked the authentication system for our services in Java to allow them to be built with zero manual actions during new region builds thus speeding up each build by 2 weeks
- Built deployment services in 2 new isolated partitions which require specialized steps to bring packages to secure datacenters that are not accessible by public internet. Delivered the project 2 weeks before the deadline and helped secure billions of dollars in government deals

Amazon Web Services (Timestream Database)

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 (Solana Labs)

January – April 2022

Open Source 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 minutes 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

- Developed frontend features in Typescript to help launch a faster and smoother homepage for SAP Analytics Cloud used by enterprises such as Apple & Porsche
- Reduced testing time for our team by 5 hours per week by automating frontend tests using Selenium
- Improved latency by 8% by finding and removing redundant SQL calls to SAP HANA backend

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 showing areas in the US with the most active BLM movement using Python, MongoDB database, Keras, TensorFlow, and Flask

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, Go, SQL, HTML, CSS

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