Stella Wang
Software Developer

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Experience

Amazon Web Services (Apollo)   July 2023 – Current
Software Dev Engineer
- Developing features and guaranteeing availability for the deployment engine that serves all Amazon and AWS services by moving millions of packages to millions of hosts across the world everyday
- Migrated authentication mechanism for our services to allow them to be built with zero manual actions during new region builds thus speeding up each region launch by 2 weeks
- Built deployment services in new isolated regions which require special steps to bring artifacts to secure data centers not accessible by public internet to allow AWS services to deploy. Delivered the project two weeks before the deadline and secured billion dollars from 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   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
- 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*   June 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++, Go, Ruby, Rust, Perl, JavaScript, TypeScript, Python, SQL, HTML, CSS
Technologies: Git, React, Vue, Express, MongoDB, Jasmine, Jest, Junit, Selenium