JASON FAN

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WORK EXPERIENCE

Amazon   [May 2020 – Aug 2020]

Software Development Engineer Intern

- Improved globally relied on backend **Java** services that calculate delivery prices displayed on Amazon's retail website.
- Developed a **load balancing** tool to manage an average of **20,000** customer requests per minute – used to maintain service availability during high-velocity events and down-stream dependency failure.

SAP   [Jan 2019 – Aug 2019]

Agile Developer Intern

- Implemented various frontend features for SAP's cloud-based analytics platform using **React / Redux** and TypeScript.
- Wrote **Jest** + **Jasmine** tests to cut down quarterly regressions by **15%**.
- Selected to build a KPI service used to gather and analyze webpack metrics with **Python –** helped reduce load time by **20%**.

OwlTing   [May 2018 – Aug 2018]

Software Developer Intern

- Formed, deployed, and presented a simplified Ethereum hotel room scheduling API for new hires – On-boarded **5** new developers.
- Experience with Node.js, RESTful API, NoSQL, jQuery, and Solidity.

PROJECTS

The Analyst   [GraphQL / Golang / React]

github.com/FanJason/theAnalyst

- Financial news web page with sentiment analysis. Check it out here.
- Backend architecture built with **GraphQL –** deployed on **Heroku**.
- Defined a **caching** policy to store API data and decrease service latency.

StockWatch   [React / SQL]

github.com/304MarketWatch/StockWatch

- Fantasy stock trading application with real-time market data.
- Created an **API** to manage stock data and user ranking with **SQL**.
- Utilized **React** to leverage API endpoints and show trader insights.

ETH Booking   [Express / MongoDB]

github.com/FanJason/eth_room_booking

- A decentralized reservation service powered by Ethereum.
- Formed a **RESTful API** architecture using Express to call the Ethereum smart contract and MongoDB to store users and rooms.

SKILLS

JavaScript	Python	Java
◯	◯	◯
SQL	Go	C
◯	◯	◯

More: React / Redux, Node, Express, HTML, CSS, Jest, Jasmine, TypeScript, PostgreSQL, MongoDB, jQuery, UI5.
Tools: Git / Github / Gerrit, JIRA.

VOLUNTEER

Project Lead

Code the Change Foundation

Co-ordinated a team of developers to build open–source software solutions. Worked on an Overdose Prevention App that displays support centre locations with Google Maps API and React.

EDUCATION

Business and Computer Science

University of British Columbia

[Sep 2016 – Apr 2021]
Key Courses: Algorithms and Data Structures [C++], Relational Databases, Software Engineering [JavaScript], Introduction to Computer Systems [C].

Udemy

[Current] React 16 – The Complete Guide
The Web Developer Bootcamp [Node.js]

INTERESTS

Captain / UBC Recreational Volleyball
Founder + President / Magee Magic Club