

Johnny On

FULL STACK WEB DEVELOPER

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Experience

Amazon

Seattle, Washington

SOFTWARE DEVELOPMENT ENGINEER

June 2021 - Present

- **Diagnostic Tool:** Created a tool to help oncall engineers diagnose common issues with domains and give suggestions to fix.
- **Kibana Upgrade Addendum:** Fixed a critical error in Kibana upgrade scenario that prevent a year long project from progressing. Without additional checks, fringe cases could corrupt data.
- **Log rotation:** Identified log volume issues with customer account which led to max disk usage. Documented and wrote cron scripts that identified inflated files and rotated the logs to a database.

Fastener's Inc

Las Vegas, NV

NETSUITE ADMINISTRATOR AND DEVELOPER

October 2018 - June 2021

- **Loyalty Program:** Implemented a loyalty program from scratch including the process for adding new customers, customizing layouts, and designing workflows for how refunds and edge cases would work.
- **Related Items:** Queried historical sales order data to create frequently bought together groups of items based on the apriori principle on item sets. Added a section on the web store that generates \$80,000 a month in sales.

Fastener's Inc

Las Vegas, NV

JUNIOR WEB DEVELOPER

January 2018 - October 2018

- **Shopify Integration:** Connected Shopify microsites to NetSuite database in terms of items, inventory, and sales orders. Allowed orders to be updated every 15 minutes through an automated process.
- **Purchasing Algorithm:** Updated purchasing algorithm to incorporate statistical trends and demand changes over time. Lowered the amount of stocked out items and optimized total inventory cost.

Projects

Algorithmic Trading | Python | Javascript | Stock API | Optimization

- Queried AMC stock price at a 100ms rate and stored information into a database to further analyze.
- Back tested data collected over 30 days to find thresholds of MACD to buy and sell at using Monte Carlo and iterating over all scenarios.
- Created a system that buys/sells based on triggers directly from stock platform through an API and returned 10% in a month

Google Sheets Connector | JavaScript | NetSuite | Google Analytics | Data Structures

- Started up a microservice to facilitate creating and updating tabs using specific credentials.
- Created a webhook that allows for item fulfillments and bills to be generated via sheets
- Used the same microservice to transfer inventory count records onto google sheets for faster and more widespread access to the company

House Rental Scanner | JavaScript | NodeJS | ExpressJS | Zillow API

- Scanned Redfin and Trulia for houses that were on sale and scalped the surface level data.
- Looked up the Zillow id for the corresponding addresses and queried for rent estimate data.
- Compiled mortgage estimates and cash on cash return for properties and compared against database.

Blackjack Simulation | Python | Monte Carlo

- Simulated blackjack rules and conditions to find estimated house edge for optimal play (around 0.5%)
- Developed a betting structure based on card counting to gain house edge and reduce risk of ruin
- Applied side bets and optimal betting strategies to see if there are negative house edges based on count

Skills

Languages JavaScript · Python · Java · MATLAB · SQL · C#

Frameworks Backbone · NetSuite · AngularJS · NodeJS · React · Selenium · socket.io · P5

Certifications NetSuite Certified SuiteCloud Developer · NetSuite Certified SuiteCommerce Developer

Education

Arizona State University

Phoenix, Arizona

MASTERS OF COMPUTER SCIENCE

May 2021

University of California, Berkeley

Berkeley, California

BACHELORS OF ARTS IN APPLIED MATHEMATICS | BACHELORS OF ARTS IN MICROBIOLOGY

May 2017