

Joshua Cheung

JTCheung97@gmail.com | (510) 913-0952 | joshtcheung.com/ | github.com/joshcheung | linkedin.com/in/joshua-cheung/

Education

University of California, Santa Cruz
B.S. Computer Science

Languages

Java, JavaScript, Ruby, Python, C/C++, HTML, CSS, YAML,
Shell Scripting, MySQL, SQLite, Rail

Work Experience

Software Engineer *Babylist, Oakland CA*

September 2021 — January 2023

- Revamped the company's order routing system to include ready-to-ship items, resulting in a ~\$1.1M cost savings through improved efficiency and scalability in warehouse selection.
- Improved scraper tool reliability by ~25% through implementation of advanced schema logic for product name, pricing, and image extraction.
- Led the implementation of product matching improvements, expanding options for customers through partnerships.
- Maintained an email update system for clients, ensuring real-time transparency in order status and tracking.
- Spearheaded the integration of product dimensions into the company's database, resulting in standardized data and improved information quality.

DevOps Engineer *Birst Inc., San Francisco CA*

October 2019 — August 2021

- Maintained and configured AWS instances to build application stacks for testing and development.
- Automated deployment to QA stacks with Jenkins/Chef to improve reliability and repeatability.
- Monitored and resolved any issues in QA infrastructure to ensure stack stability for deployment and testing.
- Wrote scripts to eliminate unused instances, images, and consolidated storage drives to reduce monthly expenses.
- Authorized selected developers to access internal and external frameworks (JIRA, BIRST, Github, Servers, Email, etc) for security.

Software Engineer *Cisco Systems, Milpitas CA*

July 2019 — October 2019

- Implemented scripts to install selected versions of Webex onto Windows VMs to test the compatibility of each version.
- Refactored automation library in a 3-week project for an off-shore team to test the reliability of the application.
- Implemented Jenkins and JUnit to test application functionality and features to ensure quality control of Webex.

Projects

Qvinyl2.0 *Synchronized YouTube video streaming in virtual rooms*

April 2020 — October 2020

Docker, GCP, RestAPI, MySQL, React, Tomcat, Youtube API, Socket.io, Firestore, Material-UI, Reactstrap (Full-Stack)

- Implement Socket.io, NodeJS, and Tomcat to effectively transfer data from databases to users and vice versa.
- Design robust backend infrastructure with Firestore (intermittent) and CloudSQL (persistent) to store data for text messaging, user information, virtual room data (keys, song queues, and history), and other components.
- Incorporate React framework/Reactstrap/Material-UI/CSS to produce a single page application with dynamic loading and clearly defined content for easy navigation.
- Employ Docker to GCP instances to easily spin up containerized services and simplify the deployment process.

88 Beans *Coffee inventory management mobile application*

November 2018 — January 2019

Android, Java, SQLite (Full-Stack)

- Worked closely with client to develop application and track coffee bean usage for inventory and future orders.
- Organized a simple database table in SQLite for data entry and extraction for visualization, analysis, and readability.
- Constructed an easy user interface to manage data and visualize sales for each type of coffee bean with graphs.
- Demoed features and updated client on a weekly basis to ensure the application was to client's expectations.