Joshua Cheung

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Languages
Java, Ruby, Javascript,

C/C++, Bash Scripting,

CSS, HTML

Frameworks & Tools
React, Ruby on Rails, Node,
Apache Tomcat, Express,
Firebase, MySQL, Docker

Cloud Platforms
Amazon Web Services
Google Cloud Platform

Education
B.S. Computer Science,
UC Santa Cruz

Work Experience

Software Engineer at Babylist
September 2021–January 2023 | Oakland, CA

- Optimized the order routing system, adding ready-to-ship items, and saving ~$1.1M by improving warehouse selection for order fulfillment.
- Enhanced the product matching service by integrating Nordstrom products, leading to an increase of ~$1.5 million in revenue.
- Integrated pipeline of product dimensional updates to standardize and improve the accuracy of data for shipping size and cost projections.
- Maintained an email update system for customers, ensuring real-time transparency in order status and tracking.
- Increased scraper tool reliability by ~25% by implementing improved schema logic to extract the product's name, price, images, and other metadata.

DevOps Engineer at Birst Inc.
October 2019–August 2021 | San Francisco, CA

- Automated deployment to QA stacks with Jenkins/Chef to improve reliability and repeatability.
- Maintained and configured AWS instances to build application stacks for testing and development.
- Monitored and resolved any issues in QA infrastructure to ensure stack stability for deployment and testing.
- Developed scripts to remove 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 at Cisco Systems
July 2019–October 2019 | Milpitas, CA

- Employed Jenkins and JUnit to test application functionality and features to ensure quality control of Webex.
- Revamped the automation library for an off-shore team to test the reliability of the application.
- Developed scripts to install selected versions of Webex onto Windows VMs to test the version compatibility.

Independent Projects

Qvinyl: Synchronized YouTube video streaming in virtual rooms
April 2020—Present | Ruby on Rails, React, Redux, Material-UI, Firestore, GCP, CloudSQL, Docker, Nginx, Express.js, WebSockets, RestAPI, CertBot (Full-Stack)

- Designed a backend infrastructure with Firestore and CloudSQL to store user information and virtual room data.
- Configured Certbot to secure the application with SSL certificates, enhancing its security and protecting user data.
- Applied React framework, Material-UI, and CSS to build a dynamic, user-friendly, single-page application for seamless navigation.
- Deployed containerized services on GCP instance using Docker to streamline the start-up process.
- Coordinated and managed multiple staging and production environments for comprehensive feature testing prior to release.
- Implemented Socket.io, Node.js, and Rails to enable efficient data transfer between database and users.