Christy Welsh

- Node, JavaScript, NPM, Python
- GitHub Microservices, Kafka
- MongoDB, Google Cloud Platform, BigQuery

- Critical thinking, problem solving, multi-tasker
- Excellent verbal and written communication
- Professional, collaborative, autonomous

Boom Entertainment; Apr 2021 to present

Senior Software Engineer since Apr 2023

- Increased user base of Boom's proprietary app by 1.6 million people by managing a migration. This required creating new MongoDB collections and Kafka events, as well as integrating configurations and a custom script that matched the data structure of the target database and decreased migration time from several days to a few hours.
- Saved hundreds of dev hours per month, decreased the number of deployments needed, and provided stakeholders with automated hourly reports of revenue, profit and loss, customer acquisition costs, and lifetime value using Google Cloud Functions, Apache Beam, Apache Airflow, Python ETL pipelines, event tracking, and backfilling events with BigQuery Node.
- Provided support for dozens of new contests and increased game efficiency by coding in in backend microservices. I added period filters, reworked question scoring, and added player stats from Sportradar, a 3rd party live streamed data source.
- Saved the company hundreds of thousands of dollars in a few months by providing Tableau charts to the business analytics team and CFO that aggregated data of active user retention, entry counts, percent user engagement, cash balances, etc.
- Saved the sports division countless dollars in fraud by automating Slack alerts when users complete entries and deposits.

Software Engineer II; Apr 2021 to Apr 2023

- Wrote a backend microservice that handles cash and points transactions for withdrawals and payments to Boom's Daily Fantasy Sports app, which collected over $100,000 in entries in one day just 4 months after launch.
- Helped Boom free-to-play apps reach 1 million active monthly users by launching a new JSON event tracking system that also reduced costs and streamlined the company's use of Confluent Kafka.
- Developed an interactive ranking system for over 500k users by creating the backend of a new leaderboard feature, which drove the Tim Horton's Hockey Challenge 2021-22 NHL season release.
- Expanded Boom's Daily Fantasy Sports app by integrating it into Chirp, an app owned by golf conglomerate 8am that follows the PGA tour. I built infrastructure, fixed frontend and backend bugs, and added features critical to game play.

WCG Trifecta Clinical; Sept 2019 to Apr 2021

Lead Mobile Engineer; Jan 2020 to Apr 2021

- Improved customer satisfaction for a $23 billion pharma client by developing new features and rewriting outdated code for the mobile version of the company's software.
- Convinced management to rescue a critical mobile project and triple our team size by demonstrating coding ability, a history of meeting SDLC deadlines, and a successful overhaul of the app's UX and responsiveness.
- Increased the number of mobile users by preparing and delivering iOS and Android builds to the Apple & Google Play stores.

Jr Software Engineer; Sept 2019 to Jan 2020

- Improved UX and overall app functionality by adding new features, writing REST APIs, squashing bugs, and updating deprecated code using React Native, Android Studio, Xcode, PHP, and SQL.
- Contributed to a cross functional team of developers, quality assurance testers, and database engineers using GIT and JIRA.

Tenured Mathematics Teacher, Castro Valley High School
Technical Writer & Copyeditor, Various Freelance Roles
CSU Hayward, **Bachelor's Degree**, Summa Cum Laude
San Francisco State University, **Certificate in Technical Writing**
Patten University, **Mathematics Teaching Credential**

http://www.christywelsh.gq
https://www.linkedin.com/in/christywelsh
https://www.github.com/christycakes
https://www.stackoverflow.com/users/9165040/cdub

Other Tech I know · Agile · Android Studio · Apollo · AppStoreConnect API · Bash Scripting · BitBucket · CI/CD Continuous Integration and Delivery · Chat GPT Confluence · CSS · Dataflow · Discord · Docker · Expo · Fullstack · Google Analytics · Google Drive API · Grafana · GraphQL · HTML · Improving inherited codebases Jest Unit Testing · Jira · Kubernetes · LaunchDarkly · Lucid · Mongo Compass · OO Object Oriented Languages · Open Source · PayPal developer · Postman · Prometheus · React Hooks · React Native · Redis · REST APIs · Retool · Saas · Scrum · SQL · TDD Test Driven Development · TypeScript · UX & UI · Xcode · Zoom