Christy Welsh

christywelsh.gq

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

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

Senior Software Engineer, Boom Entertainment; Apr 2023 to present

- Increased user base of Boom's proprietary app by 1.6 million people in a migration from NBC's Predictor App. 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 and provided business stakeholders and the business analytics team with hourly reports of revenue, profit and loss, hold, deposits, customer acquisition costs, and lifetime value using Google Cloud Functions, event tracking, and backfilling events with BigQuery Node.
- Provided support for dozens of new contest question types and increased efficiency of game scoring by adding period filters and reworking question scoring flow and by adding player stats in backend microservices from Sportradar, a 3rd party live streamed data source.
- Made internal operations and client feature management easier, decreasing the number of deployments needed by creating and coding feature flags and setting up infrastructure configuration.
- Kept big data updated and backfilled by writing pipelines with Apache Beam and Airflow and automated Slack alerts.
- Saved several hours per week by automating reports sent to the client, CFO, and accounting team that aggregated data of active user retention, entry counts, percent user engagement, cash balances, etc. and presented the data in Tableau charts.

Software Engineer II, Boom Entertainment; 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.
- Launched new JSON event tracking to support 1 million active monthly users shared by multiple free-to-play apps in order to reduce costs and streamline Boom'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.
- Integrated Boom's Daily Fantasy Sports into Chirp, a golf app that follows the PGA tour by evaluating and implementing user role configurations, fixing frontend and backend bugs, and adding features critical to game play.

Lead Mobile Engineer, WCG Trifecta Clinical; Jan 2020 – 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, WCG Trifecta Clinical; Sept 2019 – Jan 2020

- Added new features, wrote REST APIs, squashed bugs, and updated deprecated code using React Native, Android Studio, Xcode and a PHP/SQL backend, in order to improve UX and overall app functionality
- Contributed to a cross functional team of developers, quality assurance testers, and database engineers using GIT and JIRA

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

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