Christy Welsh

- Node, JavaScript, Python
- GitHub Microservices, GCP
- MongoDB, BigQuery SQL

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

Senior Software Engineer, Boom Entertainment, since April 2023

- Created a casino games operator that revolutionized company operations. Architecture and development of TypeScript libraries, Keycloak authentication, and GCP API Gateway in full compliance with National Indian Gaming Commission and state regulatory requirements.
- 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 using Google Cloud Functions, Apache Beam, Apache Airflow, Python ETL pipelines, event tracking, and backfilling events with BigQuery Node.
- Saved the company hundreds of thousands of dollars in a few months by creating data pipelines in Apache Airflow that produced automated, hourly 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 entry and deposit fraud by automating slack alerts using Google Cloud functions and Kafka event tracking.

Software Engineer II, Boom Entertainment, Apr 2021 - Mar 2023

- Wrote a Node 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 wrote infrastructure code, fixed frontend and backend bugs in React Native, added features critical to game play, and integrated statistics from Sportradar, a 3rd party live streamed data source.

Lead Mobile Engineer, WCG Trifecta Clinical, Jan 2020 to Mar 2021

- Increased the number of mobile users by leading an Agile team of mobile engineers and delivering iOS and Android builds to the Apple and Google Play stores.
- 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 by demonstrating coding ability, a history of meeting SDLC deadlines, and a successful overhaul of the app's UX and responsiveness.

Jr Software Engineer, WCG Trifecta Clinical, Sept to Dec 2019

- 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.
- Cross functional team collaboration with developers, QA testers, and database engineers using GIT and JIRA.

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

https://christycakes.github.io
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 and UI · Xcode · Zoom