Christine Welsh

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

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

Senior Software Engineer | Technical Developer Advocate, Boom Entertainment, April 2023 - April 2025

- Developed a casino games operator that revolutionized company operations. Architecture and creation of TypeScript libraries, Keycloak authentication, and GCP API Gateway in full compliance with National Indian Gaming Commission and state regulatory requirements.
- Increased users of Boom's proprietary app by 1.6 million by managing migration of acquired app's user base. Created new MongoDB collections and Kafka events, integrated app-specific configurations, and built a custom script to match the target data structure and decrease 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.js Client Library.
- Informed executive business decisions by automating data aggregation to hourly updated Tableau charts of active user retention, entry counts, percent user engagement, cash balances, etc. for the analytics team and CFO .
- Saved the sports division countless dollars in entry and deposit fraud by automating slack alerts using Python Google Cloud functions and Kafka event tracking.

Software Engineer II, Boom Entertainment, Apr 2021 - Apr 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 the backend of an interactive ranking system for over 500k users, the primary feature of Tim Horton's NHL Hockey Challenge for the 2021-22 season.
- Expanded Boom's Daily Fantasy Sports footprint by integrating it into 8am Golf's Chirp app for the PGA. Built infrastructure, fixed frontend and backend bugs in React Native, added features critical to game play, reworked question scoring, and integrated player stats from Sportradar, a 3rd party live streamed data source.

Lead Mobile Engineer, WCG Trifecta Clinical, Jan 2020 to Apr 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 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.
- Cross functional team collaboration with developers, QA testers, and database engineers using GIT and JIRA.

California State University East Bay, **Bachelor's Degree**, Summa CumLaud
San Francisco State University, **Certificate in Technical Writing**
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 Experience: Agile · AppStoreConnect API · Bash Scripting · BitBucket · CI/CD Continuous Integration and Delivery · Confluence · CSS · Dataflow · Discord · Docker · Functional Programming · Fullstack · Google Drive API · Grafana · GitHub CoPilot · GraphQL · HTML · Improving Inherited Codebases · Jest Unit Testing · Kubernetes · LaunchDarkly · Lucid · Mongo Compass · Object Oriented Programming · Open Source · OpenAI ChatGPT · PayPal Developer · Postman · Prometheus · React Hooks · Redis · REST APIs · Retool · Scrum · TDD Test Driven Development · UX and UI · Xcode · Yarn · Zoom