

Christy Welsh

- Technical expertise in Google Cloud Platform, data pipelines, API integration, scripting, and automation
- 5 years' experience building systems in JavaScript, Python, React, MongoDB, SQL
- Excellent verbal communication; listening and problem solving
- Mastery in technical writing and documentation
- Essential support in cross functional, collaborative teams

Technical Developer Advocate | Solutions Engineer, Boom Entertainment, since April 2023

- Architected and developed a casino operator. Wrote Confluence reports on research findings, implemented a TypeScript proof of concept of 3rd party APIs, and diagrammed user flows from client to backend in Lucidchart. Researched, outlined, and coded TypeScript APIs, Node libraries, MongoDB configuration, Google Cloud functions, and an API Gateway in full compliance with the National Indian Gaming Commission and state regulatory bodies.
- Saved hundreds of dev hours per month, decreased the number of deployments needed, and provided stakeholders with automated hourly reports of active user retention, entry counts, percent user engagement, and cash balances using Apache Beam, Apache Airflow, Python ETL pipelines, and backfilling events with BigQuery:Node.js Client Library.
- Saved the company hundreds of thousands of dollars within a few months, supported audits, and informed business decisions by building and documenting pipelines, analytics reports, and raw data pulls for the CFO, CTO, GMs, and Sr. VPs.
- Automated a tedious manual process of adding new games & jurisdictions to analytics reports in close collaboration with the VP of casino content to formulate SQL queries calculating revenue share, customer acquisition costs, and profit and loss.
- 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, decreasing migration time from several days to a few hours

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

- Partnered with product managers of Tim Horton's NHL Hockey Challenge App to outline a project roadmap, gather requirements, and develop features like an interactive ranking system that supports over 500k users
- Saved the sports division countless dollars in entry and deposit fraud and empowered the operations team to eliminate bad players by automating Slack alerts using MongoDB and SQL queries, Google Cloud Functions, and Kafka event tracking
- Customized and automated data pipelines to feed Tableau reports requested by our 8am Golf client; collaborated with the VP of program management to answer data inquiries and quickly debug and resolve live issues.
- Designed custom solutions for Boom apps by integrating external APIs and documenting their implementation for engineers' future use. Included analytics from Apple AppStoreConnect API and GooglePlay API, custom player stats from Sportradar, and features from Keycloak and LaunchDarkly.
- Helped free-to-play apps reach 1 million active monthly users and developed a new Daily Fantasy Sports app by writing a Node backend microservice that handles cash transactions, launching a new JSON event tracking system, building infrastructure, fixing frontend bugs in React Native, and adding features critical to game play.

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

- Increased mobile app users by leading an Agile team of engineers and delivering 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 GitHub and JIRA.

CSU Hayward, **Bachelor's Degree**, Summa Cum Laude
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 · Bash Scripting · BitBucket · CI/CD Continuous Integration and Delivery · CSS · Dataflow · Discord · Docker · Functional Programming · Fullstack · Google Drive API · Grafana · GitHub CoPilot · GraphQL · HTML · Improving Inherited Codebases · Jest Unit Testing · Kubernetes · Mongo Compass · Object Oriented Programming · Open Source · OpenAI ChatGPT · PayPal Developer · Postman · Prometheus · React Hooks · Redis · REST APIs · Retool · Scrum · Stack Overflow · TDD Test Driven Development · UX and UI · Yarn · Zoom