

Christine Welsh

- Node, JavaScript, TypeScript, NestJS, Python
- GitHub, GitLab, Microservices, GCP, AWS
- MongoDB, BigQuery, Postgres SQL
- Fullstack with emphasis on backend
- Critical thinking, problem solving multi-tasker
- Professional, collaborative, autonomous

Akido Labs; June 2025 - current

Senior Software Engineer

- Automated data flow and optimized workload management for clinical staff by developing a Kafka based microservice integrated with Quickbase API to create a custom workflow that reduced turnaround time for approving prior authorizations.
- Implemented high impact user requested features for a new EHR software and supported users transition from legacy systems by monitoring performance with DataDog while emphasizing performance, data integrity, and improved user experience, including AI options that support practitioners and medical assistants.
- Accelerated release cycles and improved code quality by using AI IDE agents (Claude Sonnet 4, GPT-5, other models) with advanced prompt engineering for unit tests and code reviews.
- Quickly rose as a technical leader by becoming a code owner, serving on-call for emergency outages, and leading and planning feature development, including AI architecture, with detailed design documents, ERDs, and sequence diagrams

Boom Entertainment, 4 years; April 2021 - March 2025

Senior Software Engineer

- 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

- 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, the primary new feature of Tim Horton's NHL Hockey Challenge for the 2021-22 season.
- Expanded Boom's Daily Fantasy Sports footprint by integrating into Chirp, 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, 1 year 8 months; Sep 2019 to Apr 2021

- Led an Agile team of engineers and delivered 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.
- Cross functional team collaboration with developers, QA testers, and database engineers using GIT and JIRA.

California State University East Bay, **Bachelor's Degree**, Summa Cum Laude
San Francisco State University, **Certificate in Technical Writing**
Patten University, **Mathematics Teaching Credential**