

Skills Highlight

- ES6 JavaScript, Node.JS, NPM
- GitHub Microservices, Confluent Kafka
- MongoDB, Google Cloud Platform, BigQuery
- Critical thinking, problem solving, logical
- Excellent verbal and written communication
- Professionalism, multi-tasker, autonomous

Development Experience

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.

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.

Jr Software Engineer, Trifecta Clinical

Sept 2019 to Apr 2021

- Improved customer satisfaction for a \$23 billion pharma client by developing new features and patching deprecated 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.

Awards & Milestones

- With Boom's partnership, the average Hockey Challenge app engagement increased by 92%.
- Boom Entertainment was awarded Employer of the Year for eGaming Review (EGR) in 2022.

Education, Etc.

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

Other Tech Stack Tools

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 · Slack · Tableau · TDD Test Driven Development · TypeScript · UX & UI · Xcode · Zoom