

Braeton Buckley – Software Engineer

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EXPERIENCE

JetHead Development Inc. | Software Engineer | Carlsbad, CA April 2020 – March 2023

- Developed middleware for DirecTV satellite set-top boxes using C++ and JSON
- Implemented new features either individually or with other teams under ATT exercising agile development
- Identified, tested, and patched bugs from the field, resolving customer issues on Jira
- Created test scripts with Bash, and wrote new test cases to be utilized regularly by the internal testing team
- Planned, designed, and documented features for communication of proper feature expectations
- Worked through entire SDLC using CI/CD systems such as GitLab and Jenkins

[P1] Games | Volunteer Game Programmer | Remote July 2024 – Present

- Develop games in teams of 8-12 over month long competitions using C#/Unity
- Collaborate with designers and artists to bring positive-impact, open-source game concepts to life

Innovation Academy | Math & Computer Science Tutor | Fullerton, CA December 2023 – June 2024

PROJECTS

Reconnect in Standby | JetHead, DirecTV, ATT 2023

- Reconnected the client to the server in standby to reduce boot up time by 2 minutes
- Analyzed server connection architecture in order to optimize design

QR Code Troubleshooting | JetHead, DirecTV, ATT 2022

- Embedded QR codes into Video Connection Lost troubleshooting screens for the DirecTV Genie Mini
- Reduced calls to customer care by redirecting to additional troubleshooting help sites to resolve issues

Free Memory Tracking KPIs | JetHead, DirecTV, ATT 2021

- Created KPIs to track the CPU usage and free memory for the DirecTV Genie Mini
- Collected data on New Relic and organized it into dashboards to identify problematic software updates

[Keito](#) | [\[P1\] Games](#) | [Blue-Square-Legion](#) Present

- Integrate graphics, audio, and gameplay elements with Unity; Debug and resolve technical issues in the game
- Placed top 3 in categories: Most Innovative, Most Fun, Best Sound Design, when judged by peers

[Crunchyroll-mal](#) | [KallenXCC](#) 2024

- Implemented REST API to retrieve Crunchyroll watch history and upload it to MyAnimeList
- Utilized MongoDB to lessen impact on MAL servers and integrate software tools: crunchyroll-rs, MAL API

[SideQuests](#) | [Thunderstore - The Lethal Company Mod Database](#) 2024

- Published SideQuests mod with 1000+ downloads for Lethal Company PC game to Thunderstore
- Patched class behavior using HarmonyX, BepInEx, and UnityNetcode

SKILLS & CERTIFICATIONS

C/C++, JavaScript, C#, Java, Bash Scripting, Embedded Software Development, System Design, Unity, SQL, HTML, CSS, JSON, Linux, Visual Studio, Git/Gitlab, Jenkins, Jira, Confluence, AWS, SDLC, CI/CD, *JavaScript Algorithms and Data Structures Certification*, *Responsive Web Design Certification*, *AWS Certified Cloud Practitioner*

EDUCATION & LEADERSHIP

University of California, Riverside | Bachelor of Science in Computer Science December 2019

Youth Advisor & Newsletter Editor | Riverside JACL | Riverside, CA 2018 – Present

President | Intercollegiate Nikkei Council & UCR Nikkei Student Union 2017 – 2018