

Adan Marrufo

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WORK EXPERIENCE

Google *Software Engineer*

Oct. 2020 – May 2023

- Drove architectural decisions and designed technical solutions for complex new features of a unified telemetry analysis and reporting system that collects metrics from hundreds of millions of users
- Implemented APIs in a diverse set of backend languages, such as Java, Python, and C++
- Eliminated large amounts of technical debt by porting dozens of legacy Angular.js components to modern Angular/Typescript with functional programming/RxJS
- Designed, implemented, and supported a new version of a document editing/saving system, reducing the time users spent configuring and saving documents by 50%
- Mentored new team members, teaching them about our codebase and development best practices

Self-employed/ Freelance *Full Stack Software Developer*

Aug. 2019 – Oct. 2020

- Implemented several different 3d product customizers/visualizers and games using WebGL, React, Three.js, Node.js, Angular, and Typescript
- Quickly learned new codebases to fix issues for many different clients, with 100% satisfaction rate
- Diagnosed and remedied UI performance issues

PowWow *Full Stack Software Developer*

Mar. 2018 – Aug. 2019

- Maintained code stability and helped developers avoid regressions by writing extensive unit/end-to-end tests for large backlogs of untested APIs as well as new features
- Worked closely with team members to brainstorm solutions and meet deadlines
- Created functional, pixel-perfect implementations of UI mockups using Angular and React
- Maintained customer-facing SAAS products such as visual block-based script editors and codeless UI editor
- Diagnosed issues with and configured services to run on AWS

SKILLS

- **Languages:** C, C#, C++, CSS, HLSL, HTML, JavaScript, Java, Python, SQL, Typescript
- **Technologies/Frameworks:** Angular, NoSQL, Node.js, React, RxJS, Three.js, Unity, WebGL
- **Technical Skills:** A/B Testing, API Development, CI/CD, Databases, Functional Programming, Game Development, TDD, Web Development, UI Development, RESTful APIs, 3D animations/modeling
- **Development Tools:** AWS, Git, Linux

EDUCATION

App Academy

Web Development

- Only person in my cohort to score 100% on every technical assessment

University of Hawaii at Manoa

Computer Science