

Hayes **Ashby**

Software Engineer

About me

I enjoy creating technology with a purpose. Developing tools to save time, or bring joy to peoples lives.

Languages

English

Chinese

Programming

javascript

html, css

dart

C#

python

LATEX

Frameworks

React

Angular

Flutter

Areas of specialization

Event-Driven Architecture

Web

Test Driven Development

Interests

Linux

Android

Flutter

Software Engineer

USSA · Mar 2022 - Current



Developing Standards and practices that allow for cleaner architecture when working with multiple developers

Back-End Web Developer

IFIT · Jun 2021 - Feb 2022



 Migrated a monolith legacy system to a micro service architecture leveraging AWS with Serverless Framework while maintaining data and user consistency.

Associate Software Engineer

BERKADIA · Feb 2020 - Jun 2021





 Developed on top of an Event-Sourced Architecture, enabling real time situational awareness to business leaders to make informed decisions

Software Engineer Intern

ICON HEALTH AND FITNESS · Jun 2018 - Feb 2020

• Developed and maintained tests with *Xamarin UITest* for a cross platform mobile application with 1MM+ downloads.



Developed tools for testing and assisted in testing through automation for proprietary android tablets. Saved 150+ hours of development time, and resulted in a large (\$1.5MM) investment by moving device manufacturing in-house.

PROJECTS

Benchmark

Icon had built custom embedded tablets for use in their exercise equipment. There were many different versions of hardware and software making debugging and performance monitoring difficult. **Benchmark** aimed to solve this problem by communicating over the *Android Debugging Bridge*. This allowed the use of popular apps for testing purposes like *Antutu* to be automated and ran in a controlled environment through logged versioning of the tablet with optimal consistency.

Network Testing Suite

NTS is a project designed to unravel the layers of communication protocols to detect network problems. Through packet monitoring and other methods it was able to follow the entire digital trail end to end to determine where the failure occurs.















<u>BERKADIA</u>

