**Justin Butler**

**Full Stack Developer**

**EXPERIENCE**

**Louisville Geek** — Full Stack Developer

Louisville, KY | March 2018 – current

* Given the ability to work on all types of applications from being in the weeds on a dot net nuke server stuck having to use notepad, all the way to crafting beautiful web apps using modern day stacks
* Designed and built a scalable microservice architecture using Azure, Docker, and Load Balancing to dynamically handle work loads
* Worked on many small, medium, and large-scale projects through the initial requirements, design, planning, development, server management, and deployment

**Indiana University Southeast** — Computer Science Tutor

New Albany, IN | Spring 2015 – Fall 2020

* Assist Students in their course work by explaining and providing instructive examples or ways to think about the problem
* Constantly practicing and improving the soft skill of breaking down a complex scenario into little digestible chunks

**RESEARCH**

**Swarm AI** (2021 – current)

* Collaborative project to research, build, and improve swarm AI algorithms
* My role is to build the hardware and software API for the AI to obtain IO data from the bot

**PROJECTS**

**Memelon** (2021)

* Bot that buys Dogecoin whenever Elon Musk’s tweet contains keywords
* Trained a YOLOV3 algorithm model using TensorFlow
* Runs a Convolutional Neural Network with a trained model to detect if a tweeted image contains a doge

**CsgoHoldem** (2020 – current)

* Themed React, Redux, .NET 5 stack to implement a pure WebSocket based Texas hold 'em game
* The server can completely control the clients state by implementing the WebSocket behind a Redux middleware

**UptimeRmx** (2019 – 2021)

* Designed with a modified Entity-attribute-model to allow the gathering, processing, and presenting of data from any piece of industrial machinery
* Uses, React, Redux, .Net Core, C# TCP Server, and a ladder logic PLC
* Worked closely with an Electrical Engineer during the entire planning and development process

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[LinkedIn](https://www.linkedin.com/in/justinrbutler/)

[GitHub](https://github.com/jb1361)

**SKILLS**

**Languages**: C#, JavaScript, Python, PHP, C

**Frameworks**: .Net Core, Entity Framework, Angular, Laravel

**Tools**: Git, Redux, TypeScript, TensorFlow

**Others**: Raspberry PI, Arduino, Travis CI, Docker, HTML5/CSS

**EDUCATION**

**Indiana University Southeast**

Bachelor of Science

Computer Science

2015 – 2020

New Albany, IN

**OTHER PROJECTS**

**Full** **Stack**:

IscoGarage, HaveAHeart

PaperconeAttendanceManager

dnataFlightApp, dnataPhoneApp

dnataCERFApp, Magna

MiwPaymentPortal

**Hardware**:

Trilogy, [Raspsat](https://github.com/jb1361/raspsat), [Triton](https://github.com/jb1361/triton)

**Open Source**:

[DefinitelyTyped](https://github.com/DefinitelyTyped/DefinitelyTyped), [Pyrh](https://github.com/robinhood-unofficial/pyrh), [OAA](https://github.com/OpenAngelArena/oaa)

[ReactBurgerMenu](https://github.com/negomi/react-burger-menu), [KawaiiBot](https://github.com/KawaiiBot/KawaiiBot)