

# Justin Butler

## Full Stack Developer

(812) 704-9993

butler@justinbutler.me

[LinkedIn](#)

[GitHub](#)

### EXPERIENCE

#### Louisville Geek — Full Stack Developer

Louisville, KY | March 2018 – March 2021

- 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

### SKILLS

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

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

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

**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, Triton

#### Open Source:

DefinitelyTyped, Pyrh, OAA  
ReactBurgerMenu, KawaiiBot