MATT ANDERSON

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Full Stack Engineer specializing in Python, Go, and Docker.

PROJECTS

DeploySolo   **Jan 2024**

A flexible full stack boilerplate with everything you need to build, deploy, validate, and monetize your web app.

- Concieved, designed, built, deployed, and marketed a full stack application using Django, EC2, and Docker.
- Learned the entire full stack from a Linux server to a monetized, user friendly application.
- Built small community and acquired multiple paid users.

BlueProject   **May 2023**

Uses Generative AI to generates tasks, sample images, and outlines other essential requirements to bring your project to life.

- Instantly recognizing the value of OpenAI APIs, built an early POC project planner using GPT-3.5 and DALL-E 2.
- Used Golang stdlib, OpenAI APIs, Ory Kratos, and Linux to deploy.

Linux   **2016 – Present**

Explored Linux out of curiosity.

- Use Debian for personal servers and desktops.
- Built desktop from scratch using Arch Linux with i3.
- Use neovim as a daily editor with custom configuration and LSP support.

EXPERIENCE

Software Engineer, TIBCO Software   **May 2020 – Present**

- Rapidly assumed role of primary maintainer for MSGMX, a Python CLI for managing messaging systems, within two years of hiring.
- Implemented GitHub Actions CI/CD workflows for automated building and testing in the cloud, saving hours of manual regression testing. saving hours of manual API documentation.

Self Driving Research, IIT MMAE Department   **October 2019 – December 2020**

- Worked with a team of 5 to create a realistic driving simulator for a user to experience traffic
- Used C# and Unity3D to program a dynamic environment with moving traffic and changing traffic lights.

EDUCATION

Illinois Institute of Technology, BS Computer Science   **2018 – 2021**

- GPA - 3.6
- CS450 - Operating Systems
- CS331 - Data Structures and Algorithms
- MATH474 - Probability and Statistics
- Tested out of 8 college classes in High School through AP Courses.
- Graduated a year early.

Data Structures and OOP TA   **August 2019 – May 2020**

- Independently hosted TA sessions for Data Structures and Algorithms in Python, introducing concepts such as time complexity, space complexity, linked lists, trees, and more.
- Helped teach Java to introductory computer science students, including basic programming and OOP principles such as objects, arrays, loops, and more.

SKILLS

- Backend: Python (Django), Golang, Docker
- Frontend: HTMX, HTML/CSS, Bootstrap
- Linux Proficiency (Debian)