MATT ANDERSON

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

PROJECTS

DeploySolo   **Jan 2024 – Present**

A comprehensive full stack boilerplate designed to streamline web app development, deployment, validation, and monetization.

- Engineered and launched a full stack application leveraging Django, EC2, and Docker, from concept to market.
- Cultivated a community and secured multiple paid subscriptions, demonstrating market validation.
- Mastered full stack development, from Linux server management to creating a monetized, user-centric application.

BlueProject   **May 2023**

An innovative project planner utilizing Generative AI to generate tasks, visuals, and outlines for project ideation.

- Pioneered a proof-of-concept leveraging OpenAI APIs, creating a project planner with GPT-3.5 and DALL-E 2.
- Developed and deployed the application using Golang stdlib, OpenAI APIs, Ory Kratos, and Linux.

Linux   **2016 – Present**

- Opted for Debian for server and desktop use due to its stability and performance.
- Assembled a custom desktop environment using Arch Linux with i3, tailored for efficiency.
- Adopted neovim enhanced with custom configurations and LSP support for optimal development workflow.

EXPERIENCE

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

- Quickly elevated to lead maintainer of MSGMX, enhancing the Python CLI tool for efficient messaging system management.
- Engineered GitHub Actions CI/CD pipelines for automated cloud builds and tests, saving countless hours of manual building and testing.

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

- Led software development within a multidisciplinary team of 5, creating a realistic driving simulator with dynamic, interactive traffic scenarios.
- Programmed the simulator using C# and Unity3D, incorporating moving vehicles and variable traffic signals for immersive realism.

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), etc.
- Recieved credit for 8 college courses in HS through AP, graduating a year early.

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

- Hosted TA sessions for DS&A 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
- Debian Linux Proficiency