

# MATT ANDERSON

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Full Stack Engineer specializing in Go, Python, Linux, Web, and Containers.

## EXPERIENCE

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### Cloud Software Group, Senior Software Engineer

May 2020 – Present

- Lead maintainer of MSGMX, a Python CLI tool designed to streamline the management of messaging platforms like Kafka, Pulsar, and EMS.
- Refactored complex installation methods to portable Python executables, vastly improving customer onboarding.
- Created GitHub Actions CI/CD pipelines for automated cloud builds and tests, saving days of manual human effort.
- Migrated the TIBCO FTL UI from AngularJS to Angular, with a custom Go backend API.

### DeploySolo

Jan 2024 – Present

The Simplest Path to SaaS

- Conceptualized, engineered, and launched a SaaS starter kit using Go and htmx, generating >\$1,000 from happy customers, and empowering indie devs to deploy their ideas.
- Independently built a simplified full software stack from first principles, proving the ability to self start a novel idea.
- Cultivated a community and secured paid subscriptions, demonstrating market validation and interest.

### Linux

2016 – Present

- Adopted neovim enhanced with custom configurations and LSP support for optimal development workflow.
- 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.

### 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

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### 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.
- Received 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

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- Backend: Golang, Python (Django), Docker
- Frontend: HTMX, HTML/CSS, Bootstrap, TS, Angular
- Infra: Linux, Docker
- DevOps: GitHub Actions