

Marco E. Hemken

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Los Angeles, California

Skills

Development	Python, MongoDB, Bash, Nginx
Cloud	AWS, Google Cloud, Digital Ocean
Containers	Docker, Kubernetes, Swarm
Automation	Jenkins
Collaboration	Git & GitHub, Slack, Gitter, AWS CodeCommit, GitLab
Security	TLS with Let's Encrypt, UFW Firewall

Projects

mehemken.io	2017
I created a static site that is automatically updated from a GitHub repo. I've configured Jenkins to poll the repo every 5 minutes. If there is a change, the new HTML gets deployed. The server runs Nginx to deliver a static site. To generate the static site I use Flask and Frozen-Flask. Once the static files are built on my local machine, I run a few simple tests with pytest. If all pass I push to GitHub. Jenkins does the rest.	
AWS Project	2017
I set up a WordPress installation on AWS using Ubuntu 16.04, Nginx, MySQL and a UFW firewall. The T2.micro instance qualifies for the AWS Free Tier which allows the non-profit, IJEF, to forego hosting costs for one year. IJEF provides free Brazilian jiu-jitsu education for underprivileged children around the world.	
Docker Container	2016
I wrote a Flask app in Python 3 which I then containerized so that I can easily run it using docker-compose. The app runs on my laptop's localhost and renders my personal notes written in markdown. The container is set to track file changes as they are saved using the Dockerfile command VOLUME. This service has improved my efficiency in developing all my other projects because I can easily go back and view my notes.	
Workflow automation CLI	2017
I wrote a command line utility that starts my markdown container, firefox and a tmux session. The firefox will not run until the container is ready and serving the Flask app mentioned above. Tmux is a terminal multiplexer. I am able to set the directory in which tmux starts via the command line. I normally use the tmux session to take notes in markdown. As soon as I save my file I can reload the browser and see my changes.	

Leadership

Learn Teach Code, Meetup Co-Host	Dec 2016 - Present
I organize and lead a meetup for all skill levels. I help people find high-level solutions to problems they are currently working on with Python.	
Intern Selection Committee, Volunteer Reviewer	2013, 2014, 2015, 2016, 2017
Read and evaluated applications for the incoming cohort of interns.	
UCLA External Affairs, Data Analyst Intern	Summer 2012
Evaluated the efficacy of various fundraising methods by evaluating gift data.	
Bruin Real Estate Association, President	2012 - 2013
Organized weekly meetings, led recruitment strategy, created succession strategy.	

Academics

University of California Los Angeles	2008 - 2014
Bachelor's degree in Sociology.	