

ANTHONY FORD

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ME

A passionate Python developer and DevOps practitioner with experience in Hardware/Software integration, web development, physics, user interfacing, and an interest in IT Security. Experience with managing and deploying server infrastructure, both physical and virtual, automation and deployment technologies, and various front-end and back-end web frameworks. A strong public speaker with extensive experience working on mixed teams and collaborating cross-team.

TECHNICAL SKILLS

Languages	Python (10yrs), JavaScript (7yrs), HTML 5, CSS, BASH, C++
Frameworks	Flask, Django, React+Redux, jQuery, Backbone.js
Tools/Automation	Git, Vagrant, Ansible, Webpack, Postman, TeamCity, Docker
Operating Systems	Linux (16 yrs), Apple OSX (5 yrs), Microsoft Windows
Database Experience	PostgreSQL, MySQL, SQLAlchemy ORM, Django ORM
Computing Platforms	AWS Infrastructure, Bare-metal VPS and Physical Hardware

EXPERIENCE

Hideaway Report - Andrew Harper, LLC March 2018 - Present
Python Developer

- Maintained Django web app for CMS, CRM, and custom fulfillment system
- Migrated server infrastructure to a supported linux distro and implemented Ansible automation for repeatable server provisioning
- Implemented one-button deployment for Django web app using Ansible and TeamCity, followed with additional CI/CD automation for various internal SDKs and libraries
- Led migration from in-house CRM to a PAAS solution that also gave improved marketing capabilities

Texas Water Development Board May 2016 - March 2018
Programmer IV

- Led porting of a desktop application to a web-based application (ReactJS/NodeJS/Flask based)
- Maintained a Flask based data portal for public data access (WaterDataForTexas.org)
- Managed Ubuntu and CentOS based VMs for application hosting
- Implemented improved logging and monitoring based on AWS services

Arecibo Observatory August 2013 - April 2016
Electronics Engineer

- Developed control systems and user interface software based on embedded C and Python, web applications based on Python, Flask framework, PostgreSQL, and HTML5/CSS/jQuery

ARCC at Univ. of Texas at Brownsville Fall 2008 - July 2013
Lab Manager (Fall 2012-July 2013), Student Researcher (Fall 2008-May 2013)

- Developed lab software based on PHP, HTML/JavaScript, C++, and embedded C.
- Established network and computing infrastructure for remote sites
- Configured Debian based data recording servers, managed CentOS systems for hardware design and computation backend