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Application & Automation Developer with a side of Ops

Keywords:

Python, Web, DevOps, Full stack,
Django, Flask, Puppet, SaltStack,
Docker, Linux, MySQL, PostgreSQL,
React, Git, GitHub, GitLab

Experience

Pure Storage

July 2020 – April 2023

Member of Technical Staff – Infrastructure and
Shared Services

- Introduced the team to containers
- Migration to GitHub to modernize CI/CD
- Product steward for internal VM management panel
 - Migrated to a new background job system
 - Created a new frontend
 - Created a new permissions framework
 - Organized the backlog, established priorities, sought to understand user needs and software deficiencies
- Answered pages, supported users, added features, fixed bugs, generally improved in-house software

Narrative Muse

Aug 2018 – Dec 2018

Engineer

- Developed a greenfield web app
 - Configured CI/CD pipelines
 - Developed operational architecture
 - Developed the application itself

ILQ

May 2017 – Jan 2018

DevOps Engineer

- Migrated to GitLab and introduced GitLab CI
- Introduced the use of configuration management and deployment automation
- Introduced methodology for utilizing the VMware clusters
- Maintained development environments and pipelines

Next Generation Enrollment (PlanSource)

Aug 2016 – May 2017

Software Developer

- Set up automated deployments
- Introduced the use of cloud orchestration
- Migrated to Python 3
- Created a REST API
- Created a background job system

Serviscreen

Aug 2014 – Nov 2014

IoT Developer

- Architected an IoT industrial monitoring platform
- Organized greenfield development
- Designed and built hardware prototypes
- Created proof of concept hardware, firmware, servers, and UI

Riders Discount

May 2013 – Jan 2014

Software Developer

- Rewrote the inventory ingestion process
- Rewrote the pricing engine
- Created a new first-party e-commerce site

BoutiqueWeek

Jan 2011 – May 2011

Webmaster

- Developed an event and location search site

Open Source

PursuedPyBear (ppb.dev)

An education-focused, sprite-based 2D game engine. Do project management, API design, release processes, community management, developer tooling, and pretty much anything else that needs doing. Based on Python, SDL.

gqlmod (gqlmod.rtfid.io)

A GraphQL client for Python, allowing users to write GraphQL files and import them as modules. Includes core library, providers for Cirrus CI & GitHub APIs, and CLI & Action-based tools.

SpiroStack (spirostack.com)

A suite of extensions to SaltStack to improve areas I find lacking. The flagship is SpiroFS, a solution for good automated deployment practices with SaltStack.

Queering the Map (queeringthemap.com)

Collaborative data project, having users to share their queer moments on a map. Organized and managed as well as working with Django, GeoDjango, jQuery, Heroku.

HypChat

Developed the first Python library for the HipChat REST API. Used as the basis for web-based customer service text chat. (On GitHub)