

Sam Dodrill

Python Gopher / Scalable Linux Systems
Administrator

Contact

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Phone

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About

Sam is a Python and Go programmer and a capable Linux Systems Administrator. His current specialty is in managing the creation and usage of dynamically scaling cluster computing systems using CoreOS and Fleet.

Profiles

Github

[Xe](#)

Bitbucket

[Niichan](#)

LinkedIn

<https://www.linkedin.com/profile/view?id=259656891>

Work

Deis Consultant (Contract)www.vtcsecure.com

VTCSecure is a company dedicated to helping with custom and standard audio/video conferencing solutions. They specialize in helping the deaf and blind communicate over today's infrastructure without any trouble on their end.

Highlights

- Started groundwork for a dynamically scalable infrastructure on a project for helping the blind see things

Bravely Blue Media, LLC

2014-07-03 —

On-Site Technician<http://bravelyblue.com/>

Bravely Blue is an independent company dedicated to filming and streaming convention panels and concerts for people who cannot attend them. All recorded videos are archived on YouTube for convention staff or the general public to watch freely.

Highlights

- Managed a live audio/video stream of a music performance at a convention
- Filmed interviews with celebrities

Crowdfunder

2014-09-10 — 2014-10-15

Deis Consultant (Contract)<http://crowdfunder.com>

Crowdfunder is a company that uses crowdsourcing to have its customers submit tasks to be done, similar to Amazon's Mechanical Turk. CrowdFunder has over 50 labor channel partners, and its network has more than 5 million contributors worldwide.

Highlights

- Research and development on scalable Linux deployments via CoreOS and Docker
- Development of in-house tools to speed instance creation
- Laid groundwork on the creation and use of better tools for managing large clusters of CoreOS and Fleet machines

OpDemand

2014-07-14 – 2014-08-27

Software Engineering Intern

<http://opdemand.com>

OpDemand is the company behind the open source project Deis, a distributed platform-as-a-service (PaaS) designed from the ground up to emulate Heroku but on privately owned servers.

Highlights

- Built new base image for Deis components
- Research and development on a new builder component

Symplicity

2013-10-30 – 2014-01-04

Junior Systems Administrator

<http://symplicity.com>

Symplicity specializes in database driven, web-based applications, enterprise information systems architecture and development, network design and management, systems and software engineering, network integration and management, information security and enterprise systems management.

Highlights

- Research on a new distributed taskrunner using Celery
- Creation of a tool to automate server provisioning
- CentOS administration

Volt

2012-06-18 – 2013-09-20

Quality Assurance

<http://www.volt.com/>

Volt is a temporary workforce solution for larger companies to get temporary workers for a given task. Sam's contract was manual hardware QA testing of the Xbox line of consoles. Not much more can be said due to the Non-Disclosure Agreement.

Eastern Washington University

2012-10-03 – 2012-12-15

Paper Grader

<http://ewu.edu>

Graded assignments for the introductory class in Python programming. Also helped teach the students that were struggling with the course material and attended study sessions.

Publications

Flitter

Published by

[View publication](#)

Flitter was an experiment in building a simpler docker image builder with a git push deployment model that has evolved into its own full-fledged Platform-As-A-Service. It uses a pure Docker workflow and is right now is pre-alpha software. Parts of its design are based off the design of similar projects, but it strives to be as original as possible.

Cod

Published by

[View publication](#)

Cod is an open source Python-based platform for IRC networks to create custom services that interact at the network level. It is designed to be easy to use and offer features that both administrators and end users will appreciate.

Elemental-IRCD

Published by

[View publication](#)

Elemental-IRCD is a high performance, lightweight, and scalable IRC daemon. It is a fork of the now-defunct ShadowIRCD and seeks to continue in the direction ShadowIRCD was headed.

Tetra

Published by

[View publication](#)

Tetra is a rewrite of Cod from the ground up using Lua and Moonscript for extensions while having the core be in Go.

One-click IRC Network With Panamax

09-18-2014

Published by **Medium**

[View publication](#)

An award-winning blog post on using Panamax by CenturyLink labs to manage the backing services needed for a simple IRC network for testing.

Skills

Python

Git

Docker

CoreOS

Cloud Computing

- AWS administration
- GCE

Linux Administration

- Ubuntu
- Gentoo
- Debian
- CentOS

Languages

Python

Expert

Go

Expert

C

Proficient

Shell script

Expert

Interests

Distributed Systems

- CoreOS
- Docker

Computer Art (2d/vector)

Computer Animation

- Flash

Video Games

References