Sam Dodrill

Python Gopher / Scalable Linux Systems Administrator

Contact

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+1 425.221.7761

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

Crowdflower

2014-09-10 — 2014-10-15

Deis Consultant (Contract)   http://crowdflower.com

Crowdflower is a company that uses crowdsourcing to have its customers submit tasks to be done, similar to Amazon's Mechanical Turk. CrowdFlower 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

Quality Assurance

2012-06-18 — 2013-09-20

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

Paper Grader

2012-10-03 — 2012-12-15

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.

Volunteer

Bravely Blue Media, LLC

On-Site Technician

2014-07-03 —

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

Publications

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

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

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**

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

> Sam is an extremely talented programmer with a deep understanding of operating systems and networking. During his internship at OpDemand, Sam completed important R&D tasks related to our Docker-based PaaS solution. Sam's work ethic and fluency in C/Go make him an ideal candidate for challenging, low-level systems programming projects.
>
> **— Gabriel Monroy**