

Jonathan DeMasi

Broomfield, CO | 484.547.3511 | me@jrdemasi.com

Experience

HPC Systems Administrator

August 2014-Present

BioFrontiers Institute, University of Colorado Boulder

- ◆ Ensure consistency across compute and storage environments using Puppet and Saltstack
- ◆ Support Illumos and Linux-based ZFS systems and manage off-site replication / backup policies
- ◆ Create bioinformatics pipelines and other workflows to produce consistent, repeatable results with minimal human intervention
- ◆ Maintain VMWare virtualization machines (primarily web and other application servers) with Veeam backups
- ◆ Build and maintain clustered BeegFS storage to serve as a highly available, fast point of access to compute users
- ◆ Restructure old monitoring systems to ensure more accurate reporting and metrics
- ◆ Develop cloud-based resources to support events such as hackathons, workshops, and other temporary deployments

Principal

July 2017-Present

Bytewise Consulting, LLC.

- ◆ Build, test, deploy, and host custom Python applications
- ◆ Perform disaster recovery and other one-off services to customers in need
- ◆ Provide storage and scientific computing consulting to smaller institutions lacking proper IT staffing and infrastructure
- ◆ Work with customers to ensure smooth interactions between on-premise and cloud resources

Platforms, Languages, and Personal Projects

- ◆ Platforms: Linux (RHEL/CentOS, Gentoo, Arch, Debian), Illumos, macOS
- ◆ Languages: Python, Bash, C++, Go
- ◆ Sysadministrivia Podcast (host): <https://sysadministrivia.com>
- ◆ Personal Blog: <https://jthan.io/blog/>
- ◆ Git repo: <https://git.jthan.io>

Education

Bachelor of Arts; Molecular, Cellular, and Developmental Biology
University of Colorado Boulder

May 2016

Interests

Cycling, Computers, Beer, Good Food, The Outdoors, Pottery, Fishkeeping