Tim Buckley

Software Engineer

I'm a software engineer with strong experience in backend development and deployment into Kubernetes and public clouds. While lately I've been living on the backend, I'm not afraid of frontend work and constantly push myself to learn new technologies at all parts of the stack.

Education

Colorado State University

Bachelors Degree, Computer Science • 2012 — 2016

Experience

Hewlett-Packard Enterprise

Software Engineer • June 2016 — Present

Currently working on HPE OneSphere and focused on backend engineering, including deployment in Kubernetes and AWS, monitoring, and identity management, among other areas.

Hewlett-Packard Enterprise

Software Engineering Intern • June 2015 — June 2016

Worked with upstream OpenStack project as a core contributor to the OpenStack Health dashboard and StackViz performance visualization utility.

Colorado State University Surplus Property

IT Technician • Feb 2013 — June 2015

Refurbished and recycled all types of university IT equipment; designed and authored suite of custom internal utilities for asset labeling, inventory tracking, audit trail management, and secure data destruction.

Projects

HPE OneSphere
HPE • 2017 — Present

A new hybrid cloud management platform that unifies public and private clouds.
I focus on deployment in Kubernetes and AWS, application monitoring, identity
management, and public cloud cost analytics.

Monasca
HPE • 2017 — Present

An open-source monitoring-as-a-service solution for private clouds, and part of the
OpenStack community.
I focus on deploying the Monasca stack natively in Kubernetes and improving the
developer experience with tools like the Docker development environment and the `pr-bot`.

pr-bot
HPE • 2017 — 2018

A Node.js-based service running on Google Cloud Functions that automates dependency
updates for Docker containers, Helm charts, and other resources that need to be kept up-
to-date between disparate repositories. Actively used to unify the CI/CD pipelines in the
GitHub-hosted Monasca projects.

OpenStack Health
HPE • Fall 2015 — 2016

A central dashboard to highlight health trends in the OpenStack continuous integration
infrastructure and give visibility to slow or flaky tests.

StackViz
HPE • Summer 2015 — 2017

A utility to aid in analysis of the performance of the OpenStack testing environment,
providing interactive visualizations of overall test runtime and highlighting potential
bottlenecks.

lifx-java
Personal • 2014 — 2015

An event-based Java library for interacting with LIFX WiFi light bulbs over a local network.
Uses Java 7 NIO to interact with bulbs using a reverse-engineered binary packet format.

Skills

Programming Languages

Python, JavaScript and Node.js, Java, Go, HTML, CSS, Bash / UNIX shell script

Environments

Linux, Kubernetes, Docker, Amazon Web Services, Google Cloud Platform

Interests

Developer Tooling, Continuous Integration and Delivery, Deployment, User Interfaces
Development, Data Analysis and Presentation, Computer Vision, Web Development

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