

Liz Frost

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EXPERIENCE

VMware (through Heptio acquisition December 2018) November 2017-December 2019

A Kubernetes sales and support company

vmware.com

Software Engineer, November 2017-December 2018

Member of Technical Staff, December 2018-present

- > Greatly improved resiliency and UX of Kubeadm, the official Kubernetes tool for bootstrapping clusters
- > Authored comprehensive integration test framework for the AWS Cluster API provider, which allows Kubernetes to manage the hosts it's running on
- > Coordinated development on Kubeadm and Cluster API between employees at VMware, other companies, and hobbyist contributors
- > Wrote documentation for new Cluster API, Kubeadm and Sonobuoy features, interfacing with staff technical writers
- > Created new engineer-focused CLI for Sonobuoy, the tool used to certify Kubernetes clusters for all organizations participating in the Certified Kubernetes program
- > Reviewed, made suggestions to, and approved community contributions to Sonobuoy and Cluster API

Heroku (subsidiary of Salesforce.com)

June 2014 - September 2017

A leading Platform-as-a-Service provider

heroku.com

Associate Member of Technical Staff, June 2014 - February 2015

Member of Technical Staff, February 2015 - February 2016

Senior Member of Technical Staff, February 2016 - September 2017

- > Quickly familiarized myself with and became productive in dozens of diverse codebases in multiple new-to-me languages (Ruby, Coffescript, Go, Erlang)
- > Participated in 24/7 oncall rotation for high-impact like the HTTP router services with sub-5 minute response SLAs.
- > Diagnosed and coordinated responses to complex outages of the Heroku Router, scheduling control plane, and container runtime fleet across multiple people and teams
- > Developed secure certificate management system to launch with Heroku automated certificate management solution

Demonware

July 2012 - September 2013

Activision studio providing online infrastructure for multiplayer video games

demonware.net

Software Engineer, Systems Engineering (Co-op)

- > Helped design, author, deploy, and support internal IaaS project that drastically reduced datacentre buildout effort
- > Maintained and updated metrics capability and infrastructure
- > Credited in several AAA video games, including *Diablo III* and multiple *Call of Duty* installments

EDUCATION

University of Toronto

August 2010 - May 2014

Honours Bachelor of Science

- > Computer Science Specialist
- > Writing and Rhetoric Minor

PERSONAL PROJECTS

pg-extend-rs FDW

Lets you write Postgres extensions in Rust

- > I contributed the foreign data wrapper component
- > <https://github.com/bluejekyll/pg-extend-rs>

Personal Kubernetes cluster

A cluster for running my website and Mastodon instance

- > Uses Weaveworks Flux, Heptio Contour, and Bitnami's SealedSecret
- > <https://github.com/stillinbeta/leckie>

PleaseCaption

A bot to remind you to add alt text to your images

- > Written in Haskell using Conduit
- > <https://twitter.com/pleasecaption>
- > <https://github.com/stillinbeta/pleasecaption>

Github

- > <https://github.com/stillinbeta>

TALKS

More at <https://stillinbeta.com/talks>

Kubernetes from a Cake Mix

March 2019

A guided tour through the internals of a Kubernetes cluster using Kubeadm as a cheat sheet

- > Given at SRECon Americas 2019
- > Slides: <http://bit.ly/liz-slides3>
- > Code: <http://bit.ly/liz-code3>

Postgres! Plays! Pokemon!

February 2019

We hook Postgres up to a Gameboy Emulator. What mischief can we do now?

- > Given at the inaugural BangBangConWest 2019
- > Slides: <http://bit.ly/liz-talk5>
- > Code: <http://bit.ly/liz-code5>

Kubeadm Deep Dive

December 2018

The internals of Kubeadm, a tool for bootstrapping clusters

- > Given at Kubecon North America 2018
- > Recording: <http://bit.ly/liz-talk6>
- > Slides: <http://bit.ly/liz-slides6>

WRITING

How Tech Employees Can Use Corporate Donation Matching

November 2016

A how-to guide for leveraging corporate resources for activism

- > <http://bit.ly/liz-article1>