

XE IASO

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TECHNICAL STRENGTHS

Docker, Git, Go, Rust, C, DevOps, Heroku, WebAssembly, Lua, Mindfulness, Nix, NixOS, HTTP/2, Ubuntu, Alpine Linux, GraphViz, JavaScript, TypeScript, SQLite, PostgreSQL, Dudeism, Technical writing, Emacs, Continuous Integration, Continuous Delivery

EXPERIENCE

Tailscale 2022-03-01 - current
Archmage of Infrastructure Toronto, ON, CAN

- Work location: Ottawa, ON, CAN
- The first developer relations person at Tailscale
- Public-facing content writing
- Public speaking
- Developing custom integration solutions and supporting them

Tailscale 2020-12-14 - 2022-03-01
Software Designer Toronto, ON, CAN

- Work location: Montreal, QC, CAN
- Work location: Ottawa, ON, CAN
- Go programming
- SQL integrations
- Public-facing content writing
- Customer support

Lightspeed POS 2019-05-06 - 2020-11-27
Expert principal en fiabilité du site Montreal, QC, CAN

- Work location: Montreal, QC, CAN
- Migration from cloud to cloud
- Work on the cloud platform initiative
- Crafting reliable infrastructure for clients of customers
- Creation of an internally consistent and extensible command line interface for internal tooling

Heroku 2017-11-13 - 2019-03-08
Senior Software Engineer San Francisco, CA, USA

- Work location: Mountain View, CA, USA
- Work location: Bellevue, WA, USA
- JVM Application Metrics
- Go Runtime Metrics Agent
- Other backend fixes and improvements on Threshold Autoscaling and Threshold Alerting
- Public-facing blogpost writing

MBO Partners (Heroku) 2017-02-13 - 2017-11-13
Consultant Herndon, VA, USA

- Work location: Mountain View, CA, USA

Backplane.io*Software Engineer*

2016-08-24 - 2016-11-22

San Francisco, CA, USA

- Work location: San Francisco, CA, USA
- Performance monitoring of production servers
- Continuous deployment and development in Go
- Learning a lot about HTTP/2 and load balancing

Pure Storage*Member of Technical Staff*

2016-04-04 - 2016-08-03

Mountain View, CA, USA

- Work location: Mountain View, CA, USA
- Python 2 code maintenance
- Working with Foone

IMVU*Systems Administrator*

2016-03-08 - 2016-04-01

Redwood City, CA, USA

- Work location: Redwood City, CA, USA

IMVU*Site Reliability Engineer*

2015-03-30 - 2016-03-07

Redwood City, CA, USA

- Work location: Mountain View, CA, USA
- Wrote up technical designs
- Implemented technical designs on an over 800 machine cluster
- Continuous learning of a lot of very powerful systems and improving upon them when it is needed

VTCSecure*Consultant*

2014-10-27 - 2015-02-09

Clearwater, FL, USA

- Work location: Mercer Island, WA, USA
- Started groundwork for a dynamically scalable infrastructure on a project for helping the blind see things
- Developed a prototype of a new website for VTCSecure
- Education on best practices using Docker and CoreOS
- Learning Freeswitch

Appen*Consultant*

2014-09-17 - 2014-10-15

San Francisco, CA, USA

- Work location: Mercer Island, WA, USA
- Research and development on scalable Linux deployments on AWS 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*Software Engineering Intern*

2014-07-14 - 2014-08-27

Boulder, CO, USA

- Work location: Mercer Island, WA, USA
- Built new base image for Deis components
- Research and development on a new builder component

Symplicity*Junior Systems Administrator*

2013-11-11 - 2014-01-06

Arlington, VA, USA

- Work location: Arlington, VA, USA
- Python message queue processing

NOTABLE PUBLICATIONS

How to Make a Progressive Web App From Your Existing Website

- An article summarizing how easy it is to make a webpage into an installable Progressive Web App.

Palisade: Version Bumping at Scale in CI

- The release post for Palisade, a tool to automate version bumping, release tagging and more.

How To Seamlessly Authenticate to Grafana using Tailscale

- The release post for grafana-auth, a tool that lets Grafana users automagically authenticate to Grafana using Tailscale.

Tailscale Authentication for Minecraft

- A post explaining how Tailscale as an authentication mechanism can be used in absurd places, such as making authentication for Minecraft servers.

Tailscale Authentication for NGINX

- The release post for nginx-auth, a tool that uses Tailscale's knowledge of IP address to person mappings to provide a weak authentication factor.

Putting Tailscale on the Steam Deck

- An engineering log of all the steps taken to run Tailscale on the Valve Steam Deck and the tradeoffs between the various methods you could use to do this.

GitOps for Tailscale ACLs

- The release post of the Sync Tailscale ACLs GitHub Action, allowing administrators to automatically sync Tailscale ACLs from a GitHub repository.

Tailscale: A modern replacement for Hamachi

- A nostalgic piece recalling the magic of Hamachi (a product that did a similar thing to Tailscale), and how Tailscale builds on top of that to do even better things.

An epic treatise on DNS, magical and otherwise

- A deep dive into all of the problems that DNS has at scale and how Tailscale makes most of those problems go away, with the rest of them being easier in comparison.

Virtual private services with tsnet

- Tailscale lets you connect to your network from anywhere, but you have to set it up on individual computers for it to work. In this article Xe covers how to use tsnet to get all of the goodness of Tailscale in userspace so that you can have your services join your tailnet like they were separate computers.