sungo - Resume

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About Me

I am an ops generalist with over 25 years of industry experience, ranging from small environments with a handful of servers to large scale systems involving thousands of servers. For most of my career, I've been a member of front-line operations teams, dealing with production deployments, automation, and outages. A particular passion of mine has been automating production environments, allowing the humans involved to focus on higher level requirements.

Of late, I've spent my days developing Go/golang based server applications and client tooling for systems automation and asset management. I am most at home in backend systems and I find joy in bringing old code bases up to modern standards, making them sustainable and stable.

I also have significant experience with software/systems architecture and design, including gathering stakeholder requirements, writing requirements documents, and carrying them through implementation and production deployment.

I am only interested in staff+ remote-only positions.

I am not interested in management roles.

Recent Employment History

Coreweave
April 2024 - present

Sabbatical
November 2023 - April 2024

Fastly
June 2023 - November 2023

DigitalOcean, LLC
October 2019 - February 2023

At DigitalOcean, my primary role was to architect, lead, and implement the collection of telemetry from every server and every infrastructure instance/droplet in the DigitalOcean fleet. This data was made available to internal customers via REST, GraphQL, and gRPC APIs, as well as command-line tooling, and was used to drive outage detection, operational maintenance, and business reporting. Collection was performed using custom onboard software on every server in the fleet, as well as a global Redfish collector system. The data was then propagated across global highly available gRPC links and internal caching layers and ultimately stored in a SQL database. This project was implemented in Go/Golang, backed by MySQL 5.7, and deployed to a Kubernetes-like system.

My role as project/team lead also entailed requirements gathering and stakeholder management across the company, as well as mentoring and training members of the team.

- **Senior Infrastructure Engineer I** - 2019-2021
- **Senior Engineer II / Team Lead** - 2021-2023

Joyent, Inc
October 2017 - September 2019

Validating datacenter builds with Perl and Go

General Systems Administration

Applications and Tooling

- **Conch** - JSON API server written in Perl, backed by PostreSQL
- **Conch Shell** - Command line application, written in Go, for accessing and automating Conch API actions

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Neustar, Inc
July 2017 - October 2017

Time Warner Cable
Mar 2010 - May 2017

Software engineering, architecture, and design for systems automation and monitoring for video-on-demand backend systems, including requirements gathering, detailed design specifications, and stakeholder communication.

Extensive on-call responsibilities, including incident management and authorship of post-mortem analyses.

Architecture / Engineering
- Architected and led the implementation of IP-based live video distribution for the TWCTV iPad app, versions 1 and 2. *The application was subsequently awarded an Emmy Engineering Certificate*
- Architected and implemented automation for video-on-demand content intake, transcoding, and distribution. This self-healing system handled over a thousand TV shows, movies, and advertisements daily with little to no human intervention
- Architected and implemented automation for content metadata (title, description, ratings, artwork, etc) improvement

Software Development
- Workflow and systems automation using Ruby
- Monitoring and data management UIs (including real-time interfaces with WebSockets) using Ruby, Javascript, MongoDB, and PostgreSQL
- Monitoring UIs in Splunk

Previous Employers

- **YouPorn / Midstream Media** - May 2009 - Feb 2010

- **Singlesnet, Inc / The Hive** - Dec 2007 - Mar 2009

- **America Online** - Feb 2003 - Oct 2007

- **Databuilt, Inc** - Dec 2001 - Feb 2003

- **The Creative Group** - May 2000 - Dec 2001

Education

- **Bachelor's Degree** - 1996 - 2000