

# sungo (Matt Cashner) - Resume

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## About Me

I am an ops generalist with over 20 years of industry experience, ranging from small environments with a handful of servers to large scale systems involving thousands of servers. I have extensive systems administration and development experience, mostly in the context of metrics, monitoring, and automation. For most of my career, I've been a member of front-line operations teams, dealing with production deployments, automation, and outages. I have experience managing incidents and writing blameless post-mortems.

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.

In any job, I am looking for the usual challenging work and good diverse people to work with. For most of the last 15 years, I have worked in a remote capacity and am interested in working remotely with a highly communicative team that is willing to use text chat and video conferencing.

I am not interested in management roles.

## Employment History

### **Digital Ocean**

*October 2019 - present*

Infrastructure Engineering

### **Joyent, Inc**

*October 2017 - September 2019*

Validating datacenter builds with Perl and Go

### **Conch**

- Repository: <https://git.sungo.wtf/mirrors/conch-api>
- JSON API server written in Perl, backed by PostgreSQL

### **Conch Shell**

- Repository: <https://git.sungo.wtf/mirrors/conch-shell>
- Repository: <https://git.sungo.wtf/mirrors/kosh>
- Command line application, written in Go, for accessing and automating Conch API actions

### **General Systems Administration**

- Ansible
- Docker, including Docker Swarm
- Logstash
- PostgreSQL server administration
- Ubuntu 18.04 LTS

### **Primary Technologies**

- Go
- Perl
- PostgreSQL

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### **Neustar, Inc**

*July 2017 - October 2017*

Consulted on the implementation of metrics and monitoring for DDoS mitigation platform

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### **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

## **Primary Technologies**

- Ruby
  - MongoDB
  - PostgreSQL
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## **YouPorn / MidStream Media**

*May 2009 - Feb 2010*

- Application development in Perl
  - Systems programming and automation in Perl and Bash, mostly on Debian Linux
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## **Singlesnet, Inc**

*Dec 2007 - Mar 2009*

Desktop application development, management and HR responsibilities

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## **America Online**

*Feb 2003 - Oct 2007*

- Developed cross-platform server and network monitoring system in Perl and C, backed by PostgreSQL
  - Developed monitoring dashboards in Perl, via mod\_perl
  - Significant deployments of Linux (RHEL), with custom orchestration software
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### **Databuilt, Inc**

*Dec 2001 - Feb 2003*

Web application development

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### **The Creative Group**

*May 2000 - Dec 2001*

Web application development, general systems administration

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## **Education**

Bachelors Degree