

# John Robison

Cloud Systems Engineer

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Timezone: US Eastern

## ***Technical Experience***

***Springbuk, Inc, working remotely from Pittsburgh PA***

May 2018 – Present

*Senior DevOps Engineer*

- Responsible for cloud infrastructure and automation as part of a software-as-a-service startup, with a focus on the AWS cloud
- Built from scratch a continuous deployment pipeline which builds Docker containers and deploys to Amazon ECS
- Refactored entire cloud estate from Cloudformation to Terraform, to eliminate Cloudformation vendor lock-in, and from Chef to Ansible, to modernize configuration management.
- Reduced ECS and RDS spend by 45%, via right-sizing and spinning down lower environments nights/weekends.
- 100% remote work, all team communication is on Slack / Zoom

***Cloudreach, Inc, working remotely from Pittsburgh PA***

Mar 2016 – May 2018

*Cloud Systems Engineer*

- Implement data center migrations to the AWS cloud for large enterprises, as part of a consulting team
- Build AWS infrastructure as code using Terraform, Cloudformation
- Chef cookbook development for server configuration management
- Build Lambda functions to automate AWS environment maintenance, automate cost reporting, etc
- General Linux administration tasks
- 100% remote work, all team communication is on Slack / Hangouts

***Health Monitoring System, Inc, Pittsburgh PA***

Apr 2013 – Mar 2016

*Linux Administrator*

- Responsible for the setup, monitoring, and maintenance of customer facing production Linux application servers and database servers in a

software-as-a-service environment

- Setup and configuration of physical and virtual servers
- Built from scratch a disaster recovery environment using AWS based virtual machines which mirrors the production environment.
- Configuration and troubleshooting of production Apache web servers, Tomcat application servers, Postgres database servers.
- Authored or contributed to various monitoring and utility scripts, usually using bash.
- Configuration management using Chef

**Pair Networks, Inc, Pittsburgh PA**

May 2007 – Mar 2013

*Support Technician*

- ▢ Responsible for fixing technical problems with websites and email on behalf of small to medium sized businesses in a web hosting environment
  - Configuration and troubleshooting of Apache web servers, MySQL databases, server firewalls, SSL certificates, Postfix, Qmail
- ▢ Monitoring of about 2,000 Linux/Unix servers to detect and resolve problems caused by high load, security breach, spam, or even a leak in the roof
- ▢ Co-Team Lead for PCI Compliance Division
  - Work with management to alter security policies as needed to solve problems before they happen
- ▢ Direct support to technical and non-technical users
  - Ability to investigate and solve a wide array of issues one after another
- ▢ Training and advising new techs
- ▢ Create new documentation for other techs and customer businesses

***Technical Skills***

Amazon Web Services

Terraform

Ansible

Cloudformation

Docker

Some Python / Some Ruby

AWS Lambda

Git

Postgres

## **Certifications**

<a href="#"><u>AWS Certified DevOps Engineer, Professional</u></a>	<a href="#"><u>Valid through 2025 - Issued 2017</u></a>
<a href="#"><u>AWS Certified Security Specialty</u></a>	<a href="#"><u>Valid through 2025 - Issued 2019</u></a>
<a href="#"><u>AWS Certified Developer, Associate</u></a>	<a href="#"><u>Valid through 2025 - Issued 2017</u></a>
<a href="#"><u>AWS Certified Sysops Admin, Associate</u></a>	<a href="#"><u>Valid through 2025 - Issued 2017</u></a>
<a href="#"><u>AWS Certified Solutions Architect, Professional</u></a>	<a href="#"><u>Valid through 2023 - Issued 2017</u></a>
<a href="#"><u>AWS Certified Solutions Architect, Associate</u></a>	<a href="#"><u>Valid through 2023 - Issued 2015</u></a>
<a href="#"><u>Docker Certified Associate</u></a>	<a href="#"><u>Issued 2018</u></a>
<a href="#"><u>Google Cloud Platform Certified Cloud Architect</u></a>	<a href="#"><u>Issued 2017</u></a>
<a href="#"><u>Certified Chef Developer</u></a>	<a href="#"><u>Issued 2017</u></a>
Linux Professional Institute, Level 1 (LPIC-1)	<a href="#"><u>Issued 2012</u></a>

## **Personal Projects**

<a href="#"><u>Taxapi.net</u></a> , an API which makes it trivial to calculate US income tax in a spreadsheet	<a href="#"><u>Launched Aug 2018</u></a>
<a href="#"><u>Amazon Alexa Skill</u></a> that explains the Pittsburgh recycling schedule	<a href="#"><u>Published Dec 2016</u></a>