

# John Robison

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Cloud Systems Engineer

## 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.
- 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 / Hangouts

### **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
- Configuration and troubleshooting of internal corporate infrastructure, such as server monitoring (Zenoss), ticketing system, internal wiki, etc.
- Creating and managing VPN connections using Cisco ASA.

**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 | Chef  | Terraform               |
| Cloudformation      | Git   | Some Python / Some Ruby |
| AWS Lambda          | MySQL | Postgres                |

## **Certifications**

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

## **Personal Projects**

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