

# Cody Ernesti

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GitHub



LinkedIn

Proven systems engineer with diverse skillset focusing in automation and security. Designed, implemented, maintained, and decommissioned complex server and network infrastructure over multiple locations. Seeking position in a fast-paced company utilizing cutting-edge technologies to solve unique problems.

## Popular Projects

### iptables Proxy

<https://hub.docker.com/r/soarinferret/iptables-proxy>

Docker container performing traffic redirects using iptables. *Over 50,000 pulls on Docker Hub!*

### Pwsh-SecurityHeaders

<https://github.com/SoarinFerret/Pwsh-SecurityHeaders>

PowerShell Script to parse SecurityHeaders.io for given URL

### Rundeck PRTG Notification Plugin

<https://github.com/SoarinFerret/rundeck-prtg-notification-plugin>

Groovy plugin for Rundeck to send job results to PRTG

*Check out my additional projects and contributions on GitHub!*

## Software Skills

### Virtualization Technologies

- Hyper-V
- KVM

### Networking

- Fortinet
- Cisco

### Scripting

- PowerShell
- Python
- Bash

### Monitoring / Logging Solutions

- PRTG
- Graylog
- Prometheus
- ELK Stack

### Operating Systems

- Ubuntu
- Windows Server
- CentOS

*Ask me about my homelab!*

## Experience

### Educational Service Unit #2

**Systems Engineer** • July, 2018 – Present  
**Network Technician** • Mar., 2016 – June, 2018  
**Technology Intern** • Oct., 2015 – Feb., 2016

Designed, implemented, maintained and decommissioned complex server and network infrastructure for multiple locations while applying cybersecurity best practices.

- Use PowerShell, Ansible, and Rundeck to facilitate infrastructure change management
- Manage and setup multiple standalone and clustered Hyper-V servers
- Build, setup, and maintain multiple container-based services
- Setup network and service monitoring across 15 districts with over 7,000 sensors on PRTG and Grafana
- Built SubHub - a centralized substitute teacher scheduling and billing platform using Django, PostgreSQL, and Nginx utilizing docker-compose. Featured in the Fremont Tribune
- Designed and implemented SAML SSO applications with ADFS
- Implemented multi-vlan wired and wireless networks with RADIUS
- Utilize Fortigates for Web Filtering, App Control, IDS and IPS

### Mammal Hall - University of Nebraska-Omaha

**Operations Consultant** • May, 2015 – Jan., 2016

Perform Tier 1 user support by troubleshooting building and user technology related issues, and perform help-desk related functions.

## Education

### University of Nebraska-Omaha

**B.Sc. in Cybersecurity, with a Minor in Computer Science** • 2014 – 2018

- Cum Laude Honors Graduate with 3.6 GPA

## Certifications



### Microsoft Certified Solutions Associate - Windows Server 2016

**70-742** • Sept. 2019 - Identity with Windows Server 2016

**70-741** • Aug. 2018 - Networking with Windows Server 2016

**70-740** • Sept. 2017 - Installation, Storage, and Compute with Windows Server 2016