

JAY CROTTS

GitHub: github.com/jcrotts

INTRODUCTION

Engineer with 6 years of experience working in agile development teams. Effective at designing and implementing cloud native infrastructure with a wide variety of tools. Skilled at identifying key areas for process automation. Experienced in automating legacy systems, and integrating them into modern applications.

SKILLS

Infrastructure as Code: Ansible, Terraform, Pulumi
Languages: Python, C#
Frameworks: Django, Flask, Svelte
Databases: Sqlite, PostgreSQL, MongoDB
Cloud: AWS, vCenter
Containers: Docker, Docker-Compose, Kubernetes
Networking: NSXT, CCNA (Expired: 2019)
Security: SOC2, Nessus

EXPERIENCE

Systems Engineer, VMware - March 2021 - present

- Automated security credential lifecycle across team's global backend services, eliminating 250 hours in manual processes
- Designed Just-in-time disaster recovery service with terraform for 30 sites, protecting \$15M in company revenue
- Built bootstrap services to dynamically import terraform templates to support stateless workloads
- Architected several command line automation tools to support legacy systems and enhance team's quality of life

Software Engineer, Cisco Systems - 2017 - 2021

- Engineered a python integration service to track application deployment and infrastructure utilization
- Built an application that manages Cisco's smart power distribution units (PDUS) that are globally deployed across Cisco's Datacenters
- Transformed the Cisco IT network hardware testing process with software automation, reducing qualification time by 80%
- Migrated legacy app deployment processes to modern devops pipelines, unifying software development lifecycle
- Conducted software engineering interviews and fostered new hire skillsets with biweekly code reviews

Technical Intern, Cisco Systems - 2015 - Fall 2016

- Deployed datacenter infrastructure management solution (DCIM) for a 250 cabinet datacenter
- Wrote network configuration and audit scripts using Ansible

Technical Intern, Neuralog Inc - Summer 2014 - Fall 2014

- Tested infrared and humidity sensors using electronics testbench
- Created part drawings using autocad

EDUCATION

M.S. in Computer Science, Georgia Institute of Technology GPA: 3.82, (Spring, 2019)

B.S. in Electrical Engineering, Cum Laude, Texas A&M University GPA: 3.52, (Fall 2016)

OPEN SOURCE PROJECTS

Click

- A maintainer of Click, a Python library for creating command line applications

Netmiko

- Added the save_config method to Netmiko, a Python ssh library