

Steven Powell

SOFTWARE ENGINEER

(256) 636-1620 | spowell2099@gmail.com | princeodd47 | steven-powell-7ba12b3

Skills

Languages Python, Groovy
Frameworks Jenkins, Docker, Ansible, OpenStack, Artifactory, Make
Certifications CCNA (expired), Security+ (expired), SAFe Practitioner (expired), SAFe DevOps Practitioner (expired)

Experience

ADTRAN

DVT ENGINEER II

Huntsville, AL

Sept 2014 - Present

- Build automated Jenkins pipelines with tests running in dockers
- Write, review, and debug automated tests
- Build automation tools for device upgrades, test debugging, and managing OpenStack instances
- Write Python packages with unit and acceptance testing in dockers
- Maintain Linux servers and automation test beds
- Co-op student mentor
- Hackathon organizer

Corr Wireless

SWITCH TECH

Huntsville, AL

Jan 2006 - Sept 2014

- Managed network and cell network
- E911 administration
- Roaming coordination between other wireless providers
- Built automated network backups, and performance monitoring
- Built database, web, and Exchange servers

API Digital

TECH SUPPORT II

Huntsville, AL

Aug 2003 - Dec 2005

- Managed network and customers' networks
- Managed web, mail, FTP, RADIUS, and name servers
- Provided tech support for end users' network/servers
- Trained support team

Projects

Hackathons

- Built device costing <\$150 to control and monitor set top boxes replacing some need for devices costing >\$1000
 - Python script accessing infrared transceiver on Raspberry Pi's GPIO to control set-top box
 - Monitored data to verify channel activity
- Wrote Ansible playbook for mass in-house device upgrades

Hydra

- Moved services from single physical server to individual docker containers: web UI, web API, web proxy, beanstalkd, database
- Wrote Ansible playbook to spin up host instance and all service containers in OpenStack from job in Jenkins

Wi-Fi

- Built out test bed containing Wi-Fi controller, APs, and networking infrastructure
- Wrote Robot Framework upgrade tests
- Tests drove Wi-Fi controller via web UI, simulating customer workflow
- Integrated tests into Jenkins automation pipeline

Vulture

- Wrote Python log collection utility for postmortem test failure analysis
- Collected device logs, CLI Command output, and automated Robot Framework test logs

Education

University of Alabama in Huntsville

BACHELOR OF SCIENCE IN COMPUTER SCIENCE

Huntsville, AL

2018 - Present

ITT Technical Institute

ASSOCIATE OF SCIENCE IN COMPUTER SCIENCE

Birmingham, AL

2000 - 2002