Steven **Powell**

SOFTWARE ENGINEER

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Sk**ills**

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

Exp**erience**

ADTRAN
Huntsville, AL

DVT ENGINEER II
Sept 2014 - Present

- Build automated Jenkins pipelines with tests running in dockers
- Write, review, and debug automated Robot Framework tests including JSON variable files
- 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
    - Manage day-to-day activities
    - Assess technical and soft skill levels
    - Assign projects to promote growth
- Hackathon organizer

Corr Wireless
Huntsville, AL

SWITCH TECH
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
Huntsville, AL

TECH SUPPORT II
Aug 2003 - Dec 2005

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

Pro**jects**

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