

# Steven Powell

SOFTWARE ENGINEER

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## Skills

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**Languages** Python, Groovy

**Frameworks** Jenkins, Docker, Ansible, OpenStack, Artifactory

**Certifications** CCNA (expired), Security+ (expired), SAFe Practitioner, SAFe DevOps Practitioner

## Experience

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### ADTRAN

DVT ENGINEER

[Huntsville, AL](#)

Sept 2014 - Present

- Build automated software testing pipelines for multiple products
- Write/review/debug automated tests
- Build automation tools
- Write documentaion
- Maintain servers and automation test beds
- Co-op student mentor
- Hackathon organizer

### Corr Wireless

SWITCH TECH

[Huntsville, AL](#)

Jan 2006 - Sept 2014

- Manage network and cell network
- E911 Administration
- Roaming coordination between other wireless providers
- Build automated network backups, and performance monitoring
- Build database/web/Exchange servers

### API Digital

TECH SUPPORT II

[Huntsville, AL](#)

Aug 2003 - Dec 2005

- Manage network and customers' networks
- Manage web/mail/FTP/radius/name servers
- Provide tech support for end users' network/servers
- Trained support team

## Projects

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### Hackathons

- Built device costing <\$150 to control and monitor set top boxes replacing some need for devices costing >\$1000.
  - Python script accessing infrared transeiver on Raspberry Pi's GPIO to control set-top box.
  - Monitored data to verify channel activity

### Hydra

- Moved services from single physical sever 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

### Wifi

- Built out test bed containing wifi controller, APs, and networking gear
- Wrote Robot Framework upgrade tests
- Tests drove wifi controller via web ui using 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

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**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