

# PATRICK CARLSON

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## Work Experience:

### Cisco Systems, Morrisville, NC

#### DevOps Engineer: October 2018 - Present

- Developed and maintained automation scripts to sync data between Qualys and Jira and manage Jira workflow.
- Refactored Web Tools with Python and React to help the Vulnerability Management team increase productivity and hosted tools via Cloud Platforms.
- Automated mass data gathering and reporting for Vulnerability Management while working in conjunction with other teams to establish expected workflow.

#### Software Automation Engineer: February 2018 - October 2018

- Developed and executed tests, logged and tracked issues and drove them to resolution with verification of bug fixes, documented test results and research findings of hardware devices alongside a team of Network Engineers.
- Created utility functions to expedite team test case creation and debugging.

### Red Hat Software, Raleigh, NC

#### Digital IT Intern: May 2016 – December 2017

- Developed scalable apps to manage membership of mailing server applications and lists automatically using Python, Google Groups, GMail APIs and GNU Mailman 2 servers.
- Designed and wrote scripts to solve common and repeating issues in the company in order to increase team productivity.
- Architected and built a web app to allow automatic creation of mailing lists and Google Groups to free up associate time for more important tickets conforming with a constantly evolving company wide workflow system.

#### Technical Support Intern: May 2015 – May 2016

- Testing and debugging of various pieces of code written by manager and associated interns.
- Used Angular, Python and MongoDB to create web tools to enhance engagement between engineering and support teams within Red Hat.

## Side Projects:

#### Fake Baseball Scouting Application | Flask/React | [github.com/Juniped/scouting\\_app](https://github.com/Juniped/scouting_app)

- Web App that pulls, analyses and displays data from a Fake Baseball database to improve team predictions.
- Wrote a Discord Bot to replicate old game states for practice: [github.com/Juniped/pitcher\\_bot](https://github.com/Juniped/pitcher_bot)

#### Google Hangouts iOS Fixer | Javascript | [github.com/Juniped/calendarhangouts-group](https://github.com/Juniped/calendarhangouts-group)

- Google Apps Script that pulls Hangouts call url and date from a Google Calendar event, placing it in the event's description field for iOS users defined by membership of a Google Group.

## Skills:

- Python, Django, Flask, JavaScript, React, Angular, HTML, CSS, Bash
- Windows (8, 7, Vista, XP, DOS), Fedora, Ubuntu
- SQL, MySQL, MongoDB, MariaDB
- Splunk, Google Cloud Platform, G Suite APIs, AWS, Docker

## Education:

North Carolina State University, Raleigh, NC

- B.S. in Computer Science, Fall '17