CalebCoffie

Application Security Engineer

Contact

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https://CalebCoffie.com
github://CCoffie

Skills

Python ♥

Django

React.js & Redux

Docker

git

Hobbies

Coffee

Smoking Meat

Home Automation

Hardware Hacking

Experience

June 2016–
Now

Indeed Austin, Texas

Application Security Engineer

Designed and built an autonomous web application security pipeline. This system regularly would find vulnerabilities before our public bug bounty program. It consisted of 10 different custom built services that performed things such static code analysis, dynamic web vulnerability scanning, and application discovery.

Participated Indeed University, a fast pace development program, in which teams of 4 created their own beta Indeed products in 3 months. On this team I was in charge of our marketing campaigns as well as our frontend development.

May 2015–
August 2015

Indeed Austin, Texas

Security Intern

Created a system around the Nessus vulnerability scanner. This system created a workflow around the Nessus results, allowing for quick tracking of the vulnerabilities. It also placed the findings into the centralized logging platform ElasticSearch which allowed for in depth analysis of the Nessus results.

Education

May 2016

B.S. Computing Security — Rochester Institute of Technology

Minor in Open Source & Free Culture

Conferences

LASCON 2017 Presented on Improving dynamic vulnerability scanners with static code analysis

Projects

Summer 2017

WES

Designed and built a source code analysis tool in Python. This tool is used to parse Java Spring, Java Servlet, and Python Django web applications to find HTTP endpoints, parameters, and much more. The main use of this project was to use the data returned to run a dynamic web vulnerability scanner without the need for crawling while providing better code coverage. The data can also be useful for investigating web application security vulnerabilities since it provides a direct mapping of url to line of code within the project.

Winter 2015

OpenRoast

Reverse engineered a USB controlled coffee roaster. Wrote a custom, cross-platform application in Python and PyQt which significantly extends the capabilities of the roaster, providing a thermostat-based controller and roast graphs.