

Work Experience

Veracode (formerly Broadcom, CA Tech, Veracode)

August 2016 – Present, Burlington, MA

Software Engineer

- Develop an API and webservice to provide automated testing infrastructure to internal developers
- CI/CD pipeline to automate development testing, writing code as infrastructure using gitlab pipelines
- Break apart a monolith into microservices, moved to aws deployment with gitlab pipelines for testing
- Distill complex datasets of test data into simple green/red-light report for deployment
- Analyze internal APIs and services for security vulnerabilities and implement remediation

Computer Sciences Corporation

June 2015 – June 2016, Newark, DE

Computer Security Engineer

- Contracted systems security and management of the Walt Disney Corporation's network infrastructure
- Experience in Service Now, Qualys Guard, and QRadar enterprise grade tools

Rochester Institute of Technology Service Desk

October 2013 – June 2015, Rochester, NY

Technical Support Representative

- Troubleshooting and administration of RIT systems accounts, wireless networking, and hardware
- Assistance provided in person, over phone, and through the Service Now ticketing system

Global Response

June 2014 – August 2014, Margate, FL

Chief Security Officer Assistant

- Installation of access control hardware, networking equipment, and surveillance cameras
- Created a web platform for internal health and temperature monitoring the noc with automated email alerts
- Conducted PCI self-assessment auditing

Computer Experts

June 2010 – August 2012, Pleasant Valley, NY

Computer Technician

- Troubleshooting users hardware and software, performing hardware repairs and security hardening

Software Skills

- Python (2.7, 3.8), Python Libraries: Flask, SQLAlchemy, Scapy
- Javascript, NodeJS, Handlebars markup, html, Bash, batch, MySQL, MongoDB
- Visual Studio, PyCharm, Docker, AWS, GitLab, Git CLI
- Linux (kali, redhat, ubuntu) gui and headless, Windows (2012 server)

Projects

Testcase Management API

- Written in Python 3.8, using Flask, SQLAlchemy, slagger and pytest
- Provides research and development teams access to testcase binaries, source, and metadata
- Complex data engineering challenges to maintain synchronicity between S3 files and testcase metadata in sql
- API design focused on pipeline integration and automating existing processes
- Using pytest fixtures to create unit tests simulating discrete and end-to-end use cases
- Documentation using slagger for a beautified api explorer
- Additional documentation: production maintenance, how-to write tests, and end user guides

Definition of Done Reporting

- Written in Python 2.7, using SQLAlchemy, and documented with the Swagger 2.0 API standard.
- Process huge, complex datasets from MySql database into code models for analysis
- Performs strict and fuzz comparisons, comparing a baseline and candidate, reporting any test failures

Education

Rochester Institute of Technology

August 2012 – May 2016, Rochester NY

BS in Information Security and Forensics
Minors in Business Administration and Economics