

Work Experience

Veracode (formerly Broadcom, CA Tech, Veracode)

August 2016 – Present, Burlington, MA

Software Engineer

- Developed an API and webservices to provide automated testing infrastructure to internal developers.
- CI/CD pipeline to automate development testing, writing code as infrastructure using GitLab pipelines.
- Broke apart a monolith into microservices, moved to AWS deployment with GitLab pipelines for testing.
- Process 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.
- Learned Service Now, Qualys Guard, and QRadar enterprise tools.

Rochester Institute of Technology Service Desk

October 2013 – June 2015, Rochester, NY

Technical Support Representative

- Performed troubleshooting and administration of RIT systems accounts, wireless networking, and hardware.
- Provided assistance in person, over phone, and through the Service Now ticketing system.

Global Response

June 2014 – August 2014, Margate, FL

Chief Security Officer Assistant

- Installed 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.
- API provides internal customers on research and development teams to provide them with access to testcases.
- Design focus on automation, aided customers in integrating API into their pipelines and processes.
- Using PyTest, an entire framework was built to implement complex unit tests simulating 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 a SQL database into code models for analysis.
- Performs comparison on a test by test level, comparing a baseline and candidate, reports 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