

John David Ford, Jr.

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Education

UNIVERSITY OF LOUISVILLE

MEng Computer Engineering & Computer Science, Certificate of Cyber Security

May 2020

Dean's List '20

UNIVERSITY OF LOUISVILLE

B.S. Computer Engineering & Computer Science

May 2019

Dean's List '15, '16, '19

COMPTIA SECURITY+ CERTIFICATION

June 2020

Skills

Programming: PowerShell, Python, RESTful API, Java, JavaScript, C, C++, C#, SQL

Operating Systems: Windows, Linux (Ubuntu, Debian, Kali), VirtualBox, VMWare

Tools: Tanium, Git, GitHub, Postman, Docker, Jenkins, Jira, Kubernetes, AWS, Confluence

Personal Projects

Secure Cloud File Storage System

- Virtual server based application that splits, encrypts, rebuilds and stores a given plaintext file encrypting each split segment with a unique algorithm
- Utilized Python, Socket (TCP/IP) Programming, VirtualBox and SHA256, AES-128 and RSA encryption algorithms

Consolidate

- Web Application that gathers and delivers specified information from Twitch, YouTube, and various news websites on a single webpage
- Utilized Python, Flask, JavaScript, React, HTML/CSS, Restful API, Postman, Git, Docker, and AWS

Custom DevOps Pipeline

- Researched, deployed, and maintained a custom CI/CD pipeline for the Consolidate personal project
- Utilized Git, GitHub, Jenkins, Docker, and AWS

Experience

SNAP-ON INCORPORATED

Kenosha, WI

Programmer / Analyst I

November 2020 – Present

- Engineered an enterprise-wide automated system to create, deliver, audit, and manage 5,000 local administrative account credentials with supporting technical and end-user documentation
- Initiated and developed an internal automated incident response web application utilizing business critical third-party APIs with supporting in-depth documentation and user guides
- Interfaced with various internal tools to develop and maintain end-to-end automated deliverables, addressing numerous core business requirements
- Promptly adjusted existing skillset to accommodate the specialized requirements of the asset management tool, Tanium
- Leveraged Tanium to reliably administer asset management solutions to 15,000 machines globally
- Regularly connected with Tanium account managers to ensure business continuity and discuss future Tanium product service enhancements
- Inquisitively researched and actively applied modern technologies to diversify existing skillset, deliver sustainable outcomes and elevate existing systems
- Deployed, administered, and managed a 6,000-user Franchisee Tanium ecosystem

LEEWARD BUSINESS ADVISORS**Kenosha, WI****Firewall Co-op****July – August 2018**

- Responsible for the Fortinet firewall software configuration
- Communicated with team and company leadership to ensure project deadlines were met
- Optimized the packaging process for a large-scale national deployment project
- Contacted national store managers regarding networking equipment and physical configuration

HONEYWELL**Louisville, Ky****Software Engineer Co-op****January – December 2017**

- Used TestComplete, Excel and JavaScript to develop a custom automated test suite including unit tests, smoke tests, integration tests and acceptance tests
- Utilized Jira to assign and receive tasks resulting in a clean and agile workflow
- Reformatted the product testing machine and performed user acceptance testing daily
- Contributed to weekly standup meetings

Leadership**PHI DELTA THETA FRATERNITY****August 2016 – May 2019****Recruitment Chairman, Executive Council member****August 2017 – August 2018****UNIVERSITY OF LOUISVILLE HOUSING****January – May 2016****Resident Assistant Leader**