Matt Dzwonczyk – Full-Stack Software Engineer

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PROFESSIONAL SUMMARY

Driven problem solver, **valued team member**, and **resourceful software engineer** with strong experience in full-stack development, cloud computing, and computer security, and a passion for building quality solutions.

EDUCATION

North Carolina State University, Raleigh, NC
B.S. in Computer Science, GPA: 3.82, May 2020

- President of ACM/AITP Chapter
- Computer Science Ambassador

TECHNICAL SKILLS

Languages & Tools

- Python, Django, Java, C/C++, PHP, UNIX/Linux
- JavaScript, TypeScript, React, Angular, Node.js
- HTML, Pug, CSS, Sass, Less
- SQL, MySQL, PostgreSQL, MongoDB, Splunk
- Git, JIRA, Jenkins, JUnit, Maven, Cucumber, Selenium
- Docker, Kubernetes, AWS, Red Hat OpenShift

Competencies

- Agile methodologies, software development life cycle
- Test-driven and behavior-driven development
- Continuous integration/continuous delivery
- Configuration management
- Performance optimization, debugging
- RESTful APIs

WORK EXPERIENCE

Software Engineering Intern, Slack, San Francisco, CA — May 2019 – August 2019

- Defined and executed a technical plan to build a reliable and extensible dependency detection infrastructure
- Developed a scalable service and web API with Python, Docker, Kubernetes, Consul, Vault, and NGINX to scan Slack's software components for vulnerable dependencies to reduce attack surfaces and promote the use of secure-by-default libraries
- Built a dashboard with React.js for the Product Security team and developers to view and manage outstanding vulnerabilities
- Presented project progress to the entire Product Security team in biweekly sprint playback meetings Security All Hands

Software Engineering Roles, Cisco Systems, Raleigh-Durham, NC — May 2017 – May 2019
Jr. Software Engineer (Part-time) — Spring 2018 & 2019
Security Software Engineer Intern — Summer 2017

- Fully automated the retrieval, data mapping, and delivery of Cisco's network traffic to dozens of Network Analysts using Python, Django, Splunk, RabbitMQ, and Celery
- Designed and developed an improved UI/UX with AngularJS for Cisco's Incident Response web application
- Automated cloud tenant attribution for AWS and GCP for Cisco's Computer Security Incident Response Team (CSIRT)
- Defined a generic framework for cloud attribution to expand to other cloud platforms (e.g. Azure, Oracle Cloud)
- Collaborated with skilled Software Engineers on Cisco's CSIRT through developer standups, Kanban meetings, and code reviews
- Efficiently synthesized the team's needs to arrive at a meaningful product
- Improved the accuracy and efficiency of network traffic monitoring for Network Analysts on Cisco's CSIRT

Software Engineering Intern, UnitedHealth Group, Basking Ridge, NJ — May 2018 – August 2018

- Containerized and deployed Optum's data collaboration platform to Red Hat OpenShift using Docker and Kubernetes
- Reduced platform infrastructure cost by 61 percent while still improving service scalability and redundancy
- Architected Jenkins CI/CD pipelines to automate building, testing, and deployment of the platform
- Developed a unified administrator UI and backend for the data collaboration platform using Angular and JAX-RS
- Defined a framework for the ongoing cloud modernization of Optum's software
- Led Scrum meetings and feature demos for three distributed teams of 20 total interns
- Articulated technical and business values through biweekly 'Shark Tank'-style progress updates to company executives

Lead Systems Administrator & Founder, Mines of Code — June 2013 – December 2017

- Developed and led Mines of Code, a Minecraft server network and a community of people with a common interest
- Oversaw a group of system administrators and content managers

TECHNICAL PROJECTS

Web Applications

- Built application enabling flight simulation hobbyists to obtain comprehensive airport and navigation data using Django, React, PostgreSQL, NGINX, Ansible, AWS, Linux
- Developed application that provides Spotify music analytics; built using Node.js, Express, Spotify Web API, Pug, Chart.js

Data Analytics

- Created application for Capital One's Software Engineering Summit (May 2018) that uses San Francisco Police data to help optimize and predict emergency calls via charts and metrics; built using Python, Django, PostgreSQL, JavaScript, HTML, CSS, RESTful APIs, Chart.js, Google Maps API, Heroku