Rashad Wilkins

Software Engineer

Contact Information

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Professional Summary

Analytical certified software engineer with 4+ years of hands-on cyber operations, software engineering, and UI/UX design experience. Detail-oriented learner with a passion for security and data analysis. Enthusiastic when working with futuristic technologies. Open to new adventures and flexible with job opportunities.

Skills Summary

Software Engineering
- Engineered a login terminal and connected it to a database using Java, Eclipse, JavaFX, and SQL.
- Designed and developed portfolio websites using modern-day front-end web development technologies like HTML, CSS, JavaScript, Bootstrap 5, Tailwind.css, and React.
- Integrated a modern hashing algorithm into the login terminal to ensure password security.
- Developed a software solution that allows users to guess randomly generated numbers using Java and Eclipse.
- Engineered game administration systems for the management of Roblox game servers using Lua.

Software/Application Security
- Volunteered in Circadence's student user group, beta testing and giving feedback on futuristic security learning products.
- Detected an active UDP flood attack on a live network using Wireshark.
- Performed penetration testing on web applications for detection and exploitation of OWASP Top Ten vulnerabilities using Burp Suite and OWASP ZAP.
- Tested Windows systems for Eternalblue exploitability using Metasploit.
- Achieved the Rangeforce Community Allstar badge by gaining hands-on experience with modern technologies like Docker, Metasploit, Nmap, Wireshark, Splunk, Kubernetes, and Ansible.

UI/UX Design
- Designed user interfaces for web, mobile, and gaming platforms using Figma.
- Designed websites for clients using the Divi page builder.
- Planned content and elements requirements to meet shareholder and audience needs.
- Presented interactive web user interface designs to clients for evaluation.
- Implemented client design change requests to ensure that shareholder needs were met.

Professional Experience

Lead WordPress Developer   November 2022 - December 2022
International Economic Justice League
- Spearheaded efforts to save a failing project with a remaining 2-week deadline.
- Served as WordPress Subject Matter Expert.
- Collaborated in the creation and permissions assignment of a guest Azure user account.
- Administrated and deployed Azure and Cloudflare solutions.

WordPress Developer   November 2022 - November 2022
International Economic Justice League
- Instructed lead developer on the process of implementing and configuring Cloudflare.
- Collaborated with the lead developer to deliver the website to the board.
- Accessed live database to fix banned administrator accounts due to extension malfunction using MySQL Workbench and SQL.
- Migrated WordPress website backup from one website to another.
- Increased WordPress performance by 49%.

Associate Technical Director   April 2021 - Present
Exemplary Cyber Consultants
- Leveraged the WordPress CMS and Divi page builder to deliver modern web application technologies to businesses.
- Researched necessary solutions and delivered presentations to the chief executive officer to improve business operations.
- Conducted presentations to clients and used communication skills to deliver technical information to non-technical audiences.
- Leveraged open-source intelligence investigation techniques to collect information about two cybercriminals in collaboration with the chief technology officer leading to a client retainer of $1,000 for the company in the early stages.
- Collaborated with other founding members to draft a system security plan for a government contractor for self-assessed CMMC Level 1 compliance.

Cyber Intelligence Analyst   April 2021 - August 2021
Center for International Cyber Intelligence
- Acquired foundational knowledge about the open-source intelligence investigation methodology.
- Attained knowledge about proper report writing.
- Improved knowledge about internet privacy solutions and how cybercriminals use them.
- Acquired the foundational knowledge to conduct darknet investigations.
- Deployed virtual machines for use in open-source intelligence investigations.

Education

Western Governors University   March 2022 – Present
Bachelor of Science in Software Engineering
- Evaluated if the current website design met shareholder and audience needs for a client's website.
- Delivered a proposal that included a visual sitemap, wireframing, maintenance plan, and interactive prototyping.

Apprentice Now (formerly Woz U)   October 2021 – November 2021
Certificate in Application Support Intensive

- Programmed a software solution using Java Development Kit and Eclipse to inform the user on what to do using conditional logic.
- Installed and deployed a MySQL service and used MySQL Workbench and SQL to query live databases.
- Coded Bash scripts to automate and maintain Linux systems.
- Gained foundational knowledge of ITIL and performed service desk operations using Solarwinds Web Helpdesk.
- Developed and deployed Java servlets using Apache Tomcat.
- Installed Nagios XL for evaluation of functions of application monitoring solutions.

NGT Academy (formerly Nexgent)   January 2021 – July 2021
Certificate in Cyber Security Specialist
- Researched best practices and solutions, made a plan to implement them to fit a $500,000 cybersecurity budget, and briefed key executives on the proposal.
- Launched an offensive cyber operation using Hydra, Nmap, and the penetration testing methodology, scanned the web server, brute forced a vulnerable service, and disabled the web server that controlled a botnet.
- Analyzed network traffic using tcpdump, discovered exfiltration of credit card and encrypted data, and used Linux commands to stop data exfiltration and remove all artifacts of the infection while preventing the reinfection of the malicious processes.
- Investigated possible phishing attacks in a network, analyzed threat vectors used in Saudi Arabia Aramco and Doha RasGas cyber attacks, and reviewed any detectable weaknesses to ensure no malicious activity was occurring on the network.
- Featured in a case study by Circadence.

Marchman Technical College   August 2018 – June 2020
Certificate in Computer Systems and Information Technology
- Constructed a computer analyzing computer hardware internals.
- Acquired hands-on training with Cisco device commands.
- Troubleshoot locked windows systems using digital forensics technologies like Konboot and CAINE to allow clients to access their systems.
- Analyzed the effects of malware infection by going through the windows registry.
- Deployed a virtual machine running Kali Linux using Microsoft Azure.
- Exceeded expectations of instructor and school district IT support team by displaying in-depth cyber security knowledge that other students didn't have.

Certifications

CompTIA Security+   June 2021 - June 2024
CompTIA Network+   May 2021 - June 2024

Associations

(ISC)2   November 2022 - Present
OWASP   January 2022 - Present