Robert Cook

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RELEVANT SUMMARY – SOFTWARE ENGINEER

Adaptable and detail-oriented software engineer transitioning from over a decade of experience in healthcare as a radiologic technologist. Skilled in problem-solving, team collaboration, and working under pressure in high-stakes environments. Proven ability to integrate technical expertise with strong interpersonal skills, enabling effective communication with multidisciplinary teams. Proficient in programming languages including Python, Java, and C#, with hands-on experience in app development, AWS, and MongoDB. Currently working on Cybersecurity certification, I already have hands-on experience from TryHackMe labs. Familiar with essential networking concepts such as TCP/IP, UDP, SSH, and Nmap, as well as tools like Wireshark for packet analysis and SIEM platforms for security monitoring. Adept at analyzing network traffic, identifying vulnerabilities, and troubleshooting system issues Seeking to leverage a unique combination of technical and people-focused skills to deliver innovative software solutions.

EDUCATION

2022 – 2024	**SOUTHERN NEW HAMPSHIRE UNIVERSITY**	MANCHESTER, NH (ONLINE)
	BS Computer Science with concentration in Software Engineering	
2011 – 2013	**JEFFERSON STATE COMMUNITY COLLEGE**	BIRMINGHAM, AL
	Associate in applied science with concentration in Radiologic Technology	

WORK EXPERIENCE

Medical Center of the Rockies   Loveland, CO
Operating Room Radiologic Technologist   Jan 2024 - Present

- Facilitated seamless communication between patients, surgical teams, and radiologists to ensure the best possible patient outcomes during procedures.
- Provided clear, compassionate explanations to patients about imaging procedures, addressing concerns and reducing anxiety in a high-pressure, operating room setting.

Medical Solutions   Omaha, NE
Travel Radiologic Technologist   Jan 2020 – Apr 2024

- Worked across multiple healthcare facilities, quickly adapting to various patient demographics and care protocols, providing high-quality radiologic services in diverse settings.
- Developed strong rapport with patients by actively listening to concerns and explaining complex medical imaging procedures in layman's terms.

University of Alabama Birmingham   Birmingham, AL
Radiologic Technologist   Jun 2013 – Dec 2019

- Supervised the use of radiologic equipment in a high-volume hospital environment, including digital X-ray, fluoroscopy, and PACS (Picture Archiving and Communication System).
- Ensured all patient interactions were handled with care and professionalism. Personally ensured that patients, including children and elderly individuals, were comfortable and well-informed throughout their diagnostic procedures.

St. Vincent's East   Birmingham, AL
Cath Lab Radiologic Technologist   Aug 2016 – May 2017

- Utilized advanced imaging technologies such as intravascular ultrasound (IVUS) and digital subtraction angiography (DSA) to support cardiologists during invasive procedures. Maintained imaging equipment and troubleshot technical issues to ensure no downtime during critical procedures.
- Effectively communicated with patients before and during procedures, ensuring they understood the process and were at ease. Worked closely with cardiologists to provide precise imaging in real-time, adapting to patient needs and responding to any issues during procedures.

Birmingham Fastener   Birmingham, AL
Receiving Supervisor   Jun 2008 – Apr 2011

- Supervised the influx of materials used to make bolts and fasteners as well as materials that needed to be shipped out to customers. I had two other employees who worked alongside me and helped to unload trucks as well as count the materials to make sure I had accurate counts to input into the system.
- I communicated with the sales team about all the products they were waiting for as well as customers who were looking waiting for their materials to be shipped out.

RELEVANT CERTIFICATIONS, COURSEWORK, AND SKILLS

Coursework:	Software Development Lifecycle, Systems Analysis, Secure Coding, Software Security, Data Structures & Algorithms, Software Test Automation & Quality Assurance
Cybersecurity Tools:	Wireshark, Nmap, SIEM platforms (TryHackMe Labs), Virtual Machine, pcap analysis, SSH
Networking Concepts:	TCP/IP, UDP, Packet Analysis, Vulnerability Scanning
Tools and Languages:	Python, C++, Linux, Git
Soft Skills:	Troubleshooting, Documentation, Cross-Team Collaboration

CERTIFICATIONS AND TRAINING

- TryHackMe Cybersecurity Path (Hands-on Labs)
- Self-guided training in TCP/IP, network security, and incident response fundamentals
- Google Cybersecurity certification through Coursera
- ARRT
- CPR
- AED

PROJECTS

Business Website

- I worked extensively on a website from the ground up for an excavating business. I implemented multiple programming languages to ensure the website looked and worked great. I used HTML, CSS, and some Python within the website building. I ended up running into some problems when trying to get the colors correct and I just kept practicing with the layouts to get it the way that the customer wanted.

Artemis Financial Vulnerability Assessment

- Conducted a comprehensive vulnerability assessment for Artemis Financial to identify and mitigate risks in handling sensitive financial data.
- Analyzed system weaknesses such as input validation, API security, and cryptographic practices, recommending mitigations to enhance data security.
- Reviewed source code and static testing results to address vulnerabilities like SQL injection, buffer overflows, and hard-coded credentials.
- Delivered a detailed mitigation plan to address identified vulnerabilities and improve overall security posture.

Green Pace Secure Development Policy

- Developed a secure coding policy for Green Pace, aligning with principles like defense-in-depth and least privilege.
- Designed and implemented C/C++ coding standards, addressing vulnerabilities in memory management, input validation, and SQL injection.
- Created a risk assessment matrix to prioritize and mitigate high-severity vulnerabilities.

- Integrated security automation tools into the DevSecOps pipeline, enhancing vulnerability detection and compliance monitoring.

Security Policy Implementation and Testing

- Presented a security policy implementation guide for Green Pace, focusing on encryption, access control, and auditing standards.
- Conducted unit tests to validate secure coding practices, ensuring functionality such as input validation and exception handling.
- Automated security testing processes in the DevSecOps pipeline, including static and dynamic analysis, threat modeling, and incident response.