

Shiwantha Rodrigo

Cybersecurity Analyst



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Certifications

- Google Cybersecurity Professional V2
- Microsoft Python Development Professional Certification
- Palo Alto Networks Cybersecurity
- Cisco Certified Network Associate (CCNA)
- Splunk Search Expert
- CompTIA Linux+

Core Skills

- ★ SIEM Monitoring
- ★ Incident Detection & Response
- ★ Alert Triage & Escalation
- ★ IOC Analysis
- ★ Risk & Threat Assessment
- ★ Network Traffic Analysis
- ★ Linux Administration
- ★ Log Analysis & Correlation
- ★ User & Access Management
- ★ Python / Bash Scripting
- ★ Network Automation
- ★ MITRE ATT&CK Framework
- ★ NIST Cybersecurity Framework

Tools

- ☆ iptables / nftables
- ☆ tshark (Wireshark)
- ☆ Splunk (SIEM)
- ☆ Suricata (IPS / IDS)

Projects

- Network Security & Infrastructure Home Lab | 2024**
Designed and deployed a physical home lab simulating a SOC environment
 - i. Configured routing protocols (RIP, OSPF, EIGRP) and implemented VLAN segmentation and ACLs
 - ii. Performed traffic analysis and troubleshooting to identify misconfigurations and security risks
 - iii. Deployed VPNs and firewall rules to enforce access control and network isolation
- ENIGMA - Credential Security Toolkit | 2023**
Built a secure deterministic password generation and file encryption tool to improve credential security
 - i. Integrated advanced cryptographic practices such as memory hardening to increase computational costs.
 - ii. Added a password strength evaluation tool to test against common attack vectors such as rainbow tables.
- WATCH TOWER - SIEM & Network Traffic Monitoring Tool | 2025**
Developed a SIEM-style web application to capture and analyze event logs.
 - i. Built dashboards to visualize alerts, threat indicators and incident response data.
 - ii. Implemented centralized logging, event aggregation and correlation logic for anomaly detection.
- Hotel Reservation & Management Website | Kings Garden View Hotel | Welimada | 2023**
Developed a full-stack website using PHP, JavaScript, SQL, and CSS.
 - i. Implemented backend logic for bookings, user management, and secure data storage.
 - ii. Applied secure input validation and handling techniques to reduce common web vulnerabilities.

IT Work Experience

- Software Engineer**, Liveroom Technologies, Sri Lanka , internship | 1 Year
 - i. Coded core APIs (20+) for a NFT trading platform using Python (Django).
 - ii. Reduced API latency from seconds to milliseconds using AWS Lambda and SQS.
 - iii. Applied modern security practices such as hashing, salting, peppering and memory hardening techniques in multiple (5+) API's.
 - iv. Wrote and maintained documentation for all the API's.

Additional Work Experience

- Mixologist / Barista** | Bar Capri, Italy | 3 Years
 - i. Prepared and served alcoholic and non-alcoholic beverages.
 - ii. Delivered high quality customer service in a fast paced environment, managing multiple priorities
- Technical Officer (Civil Engineering)** | Anthony Builders | 2 Years
 - i. Supervised teams of workers and managed technical documentation.

Education

- Bachelor of Information Technology**, University of Colombo, Sri Lanka (2018 - 2024)
Registration Number : R181145 | GPA : 3.17 / 4.00
 - Database Systems
 - Computer Networks
 - e-Business Technologies
 - Middleware Architecture
 - Information Systems Security
 - System Administration
- Higher National Diploma (HND) in Civil Engineering**, International Collage of Business and Technology, Sri Lanka (2014 - 2015)
 - Civil Engineering Technology
 - Health & safety Compliances
 - Mathematics for Construction
 - Material Science

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Cybersecurity Analyst

Dear Hiring Manager,

I am writing to express my interest in a cybersecurity role within your organization. With a background in web development, strong Python expertise and a deep understanding of networking and Linux operating systems, I bring a unique and practical perspective to modern security challenges. My experience as a developer allows me to analyze systems from a defensive top layer perspective, while my knowledge in networking and operating systems allows me to undersrtand security issues in a low level prespective. I understand how software is built, deployed, and exploited, enabling me to identify vulnerabilities, automate security workflows and collaborate effectively across development and security teams.

I hold a Bachelor’s degree in Information Technology and have completed multiple industry recognized certifications, including CCNA, CompTIA Linux+ CE, Python Developer certification from Microsoft and Professional Cybersecurity Certification programs from Google and Palo Alto Networks. These credentials are reinforced with hands on projects.

I am eager to contribute my cross disciplinary skill set, strong problem solving abilities and passion for cybersecurity to a team focused on proactive defense and continuous improvement.

Thank you for your time and consideration.

Sincerely,

SHIWANTHA INDUNIL RODRIGO