Isuru Jayaweera

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Summary

Cyber Security Professional with over 4+ years of experience in network, web application, and cloud security. Strong hands-on experience in designing, implementing, hardening, and troubleshooting enterprise-grade security solutions, with recognition for strong problem-solving skills and effective client engagement. A certified professional with solid technical expertise in Web Application Firewalls, API Security, firewalls, cloud and email security, vulnerability management, and security automation. Driven to continuously enhance security posture by addressing emerging threats and delivering resilient, future-ready security solutions.

Experience

MillenniumIT ESP – Colombo 003, Sri Lanka
Associate Consultant - Cyber Security   October 2025 – Present

- Manage, hire, and mentor a specialized Application and Data Security team, delivering tailored strategic roadmaps and defense-in-depth solutions for high-profile enterprise clients.
- Lead the design, implementation, hardening, and troubleshooting of enterprise-grade Web Application and API Protection (WAAP) solutions, with deep technical expertise in F5 ASM/AWAF, F5 Cloud WAAP and Imperva.
- Architect and troubleshoot high-availability Application Delivery Controller (ADC) solutions, including F5 LTM/DNS/CGNAT, F5 Cloud CDN, Barracuda, and Array, to optimize application performance and reliability.
- Deploy and manage comprehensive Email Security frameworks using Trend Micro, Symantec, and Check Point Harmony to mitigate advanced email threats.
- Experience in Carrying out operations in air gap environments.
- Experience in handling foreign customers including UAE, Singapore, New Zealand and other Asian Countries.

Senior Cyber Security Engineer   Oct 2023 – Oct 2025

- Provide expert-level implementation and advanced break-fix support for diverse security ecosystems, including F5, Imperva, Barracuda, Array, Trend Micro, Symantec, and Check Point Harmony.
- Lead end-to-end WAAP operations across F5 and Imperva platforms, including provisioning, application onboarding, policy tuning, and incident response in high-availability enterprise environments.
- Drive the full project lifecycle—from requirements analysis and Proof of Concepts (POCs) to final optimization, while partnering with pre-sales teams to influence solution design and secure high-value client acquisitions.
- Strategize and execute critical network operations, including Disaster Recovery (DR) drills, platform migrations, and large-scale upgrades, consistently meeting 24/7 Service Level Agreements (SLAs) for high valued clients.

Cyber Security Engineer   May 2022 - October 2023

- Delivered implementation, configuration, and break-fix support for multi-vendor firewall environments, including Check Point and Palo Alto Networks platforms.
- Integrated and supported Zscaler SASE cloud proxy solutions, ensuring secure internet access, policy enforcement, and reliable connectivity for enterprise users.
- Provided targeted technical sessions on security protocols, WAF operations, and threat mitigation strategies, improving operational readiness and security awareness of the customers.

Cyber Security Engineer Intern   October 2020 – April 2021

- Completed a 6-month internship, gaining hands-on experience with Checkpoint, Palo Alto, and SonicWALL firewalls, as well as cloud security proxy applications (Zscaler), supporting deployment, configuration, troubleshooting, and security monitoring across multiple projects.

Education

Bsc Eng (Hons) in Electronic & Telecommunication Engineering   August 2017 – July 2022
University of Moratuwa, SL
Second Class Upper Division (GPA 3.60 | Included in the Dean's List for the Semesters 1,6,7,8)

Certifications and Courses

- Barracuda Load Balancer ADC01
- F5 Distributed Cloud Accredited Administrator
- Zscaler Internet Access (ZIA) Certified Administrator
- Cisco Certified Network Administrator (CCNA 200-301)
- F5 Certified Administrator — Application Delivery Fundamentals
- Palo Alto Networks Systems Engineer (PSE) – Foundation
- Cisco Introduction to Cybersecurity

Projects

F5 BIG-IP Platform Migration and Traffic Cutover (Banking Environment - SL)

- Successfully planned and executed a seamless traffic cutover of the critical banking environment, migrating from two F5 BIG-IP 2200s clusters (each consisting of three devices) to two F5 BIG-IP r4600 clusters (each consisting of two devices).

Barracuda Load Balancer ADC Implementation (Finance Sector – SG)

- Successfully deployed a high-availability cluster of two Barracuda Load Balancer ADC 640 appliances in a customer data center in Singapore, including application onboarding and configuration.

Array Load Balancer Migration (Finance Sector – SL)

- Successfully migrated application traffic from an F5 load balancer cluster to a high-availability Array APV 1800 cluster (two devices), executing a seamless cutover with no service disruption.

IoT-Enabled Intelligent Water Measuring System for Commercial-Grade Smart Water Meter   Final Year Project 2022

- Developed a non-mechanical smart water meter to replace existing mechanical meters in Sri Lanka, enabling intelligent water consumption measurement and cloud data transmission via NB-IoT in collaboration with the National Water Supply and Drainage Board.

Internpaths   2020

- Developed a web-based platform that centralizes internship opportunities, enabling companies to post openings and undergraduates to apply directly through a single interface.

Extra Curricular Activities and Achievements

- Captain - Carrom Team of University of Moratuwa (2021-2022)
- Awarded University colors for excellence performance in Inter University Games 2019.
- Active member of IEEE-UOM, IESL, Leo Club and multiple school Societies

Skills

- Infrastructure Provisioning
- Incident Response
- Network Topology Design
- Traffic Analysis and Inspection
- Diagnostic Reasoning
- Stakeholder Management
- Prioritization and Delegation
- Technical Documentation

References

References are available upon request and can be shared as needed.