Aung Thu Aye
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Bachelor degree in Computer Science
IT and Cyber Security Diploma, Member of OWASP
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Degrees

Degree	Major	University	Year
B.Sc	Computer Science	University of the People	2023~2028
Dip	IT and Cyber Security	John Academy, London	2020

Academic Career

- **The SecOps Group, 2024: Certified AppSec Practitioner**
- **API Academy, 2024: Certified API Security Architect**
- **TCM-Security Academy, 2022:** Windows Privilege Escalation for Beginners, Linux Privilege Escalation for Beginners, External Pentest Playbook, (OSINT) Fundamentals, Practical Phishing Assessments, Mobile ApplicationPenetration Testing.
- **Aviatrix Academy, 2021:** Aviatrix Certified Engineer-Multi-Cloud Network Associate
- **Fortinet Academy, 2020:** NSE_1, NSE_2
- **ICSI (International Cyber Security Institute), UK, 2020:** ICSI|CNSS Certified Network Security Specialist
- **Texas A&M Engineering Extension Service,** 2019: Cyber Incident Analysis and Response (AWR169), Information Risk Management (AWR177), Di aster Recovery for Information Systems (AWR176),
- **Saylor Academy,** 2018-2019: CS406: Information Security (2018), BUS206: Management Information Systems (2019)
- **Mastercard Academy,** 2019: Master Card Simulators
- **Optus,** 2019: Optus Cyber Security Experience
- **Australian Signals Directorate,** 2019: ASD Cyber Exp
- **Cybrary,** 2018: Comp TIA Security+
- **Hurricane Electric,** 2018: IPv6 Explorer Certification (2018).
- **APNIC,** 2018: Routing_Basics (2018), Introduction_to_Cybersecurity(2018).
- **D-Link Myanmar,** 2018: D-Link Power Over Ethernet Switching Training (2018), D-Link Product Training – Switching & Wireless (2018), D-Link Enterprises Product Training (2018).
- **Cisco Networking Academy,** 2018: Introduction to Cybersecurity Course (2018), Cybersecurity Essentials Course (2018), Introduction to Packet Tracer Course (2018).
- **National Security Agency,** 2018: NSA Day of Cyber
- **Charles Sturt University (IT Master),** 2017-2020**:** Short Courses of Cisco CCNA v3 (2017), Cyber Warfare and Terroism (2017), Phishing Countermeasures (2018), Pen Testing (2019), CISM Prep (2020).
- **Net Pro Myanmar,** 2013-2014: CCNA Routing & Switching.
- **ICT@mm,** 2009-2010: Hardware Engineering & System Maintenance (2009), Network / Internet Engineering, Administration & System Development (2010).

- **UNFPA & Myanmar Medical Association,** 2009: Training of Trainers for Peer Education, Youth Leadership Development.

Career Focus and Goals

My career has focused on high impact practice and education in cyber security starting with my self-study processes. Effective cyber security requires science, engineering, business, policy and people skills. My goal has been and is to instill this culture in the discipline and provide leadership in all elements.

Cybersecurity professional with a strong interest in ethical hacking, penetration testing, vulnerability analysis, and network security. Hard-working, energetic, personable, and technical-minded individual. Possess exceptional customer service and communication skills with the strong ability to multitask and resolve issues quickly. Currently in a cybersecurity role where I continue to develop and learn new abilities while contributing to the overall success of the organization.

Professional Recognition

- **DEF CON CMD+CTRL Cyber Range Event, 2021:** DEF CON CMD+CTRL Cyber Range Event on Security Innovation. Awesome challenges and learn more about red teaming knowledge. I'm ranked 18th out of 59 competitors.
- **Red Team ICMCP's Scholarship Training Program, sponsored by Google, 2021:** I received a 6 months Red Team Jumpstart Training program. This scholarship is offensive cyber security phase 1 training (Red Team) provided by Security Innovation in 3 months. Competition of Cyber Ranges in Security Innovation organization Who I received 1st place in the leaderboard of competition.

University Recognition

- **American Council of Education, 2020 onwards:** Cyber Incident Analysis and Response (AWR169), Information Risk Management (AWR177), Disaster Recovery for Information Systems (AWR176).

LinkedIn Recognition

- **Reference**: https://www.linkedin.com/in/aungthuaye/details/recommendations/

Experience with Offensive and Defensive Security

- Proficient in scripting languages like Python and Bash.
- Exceptional task management skills, capable of handling multiple projects simultaneously.
- Proven experience in conducting penetration tests, vulnerability assessments, and security audits across diverse environments.
- Strong knowledge of common security vulnerabilities, attack vectors, and exploitation techniques.
- Advanced knowledge of security tools (Burp Suite, Metasploit, Nessus, Openvas, Cobalt Strike, Empire, Nmap, bloodhound, etc.) and multiple operating systems (e.g. Windows, Linux)
- Excellent communication skills, with the ability to clearly articulate technical findings and recommendations to both technical and non-technical audiences.
- Strong analytical and problem-solving abilities, with a keen attention to detail.
- Ability to work independently and collaboratively in a fast-paced environment.
- Familiarity with governance, risk, and compliance toolkits like SimpleRisk.
- Experienced in working with various databases, including MySQL, MongoDB Atlas, Oracle, and Azure.
- Competent in DevSecOps toolkits such as Snyk and Sonarqube, etc.
- Experienced in managing or leading small teams of security consultants.
- Proficient in Azure Cloud Security and Architecture (SaaS and PaaS).
- Knowledgeable about Trend Micro, Fortinet, and HSM product workflows.
- Oversees penetration testing (VAPT) projects for diverse clients.
- Communicates with customers on security operation projects.

- Provides monthly reports on security issues to clients.
- Supports MAB Bank in achieving PCI/DSS compliance.
- Knowledge of risk management methodologies
- Professional experience in developing a variety of technical documentation
- Ability to effectively communicate with a range of technical and non-technical stakeholders
- Support accreditation and compliance in the relevant department
- Prepared, executed, and reported on audit of subset of NIST SP 800-53 cybersecurity controls to include interview, document review, and testing of systems to support compliance audit activities.
- Knowledgeable on NIST Cybersecurity Framework and how the Identify, Protect, Detect, Respond, and Recover categories comprise and facilitate an information security program
- Developed concise, tailored cybersecurity awareness content, improving targeted end-user base cyber hygiene
- Developed Just-In-Time cybersecurity awareness content for emerging threats to reduce operational risk to tailored audiences
- Semi-quantitatively analyzed cybersecurity risk using NIST SP 800-30 methodology to identify highest risk weaknesses for a system
- Executed threat modeling exercise to determine higher likelihood threat events to inform cybersecurity risk modeling
- Developed Information Security policy to establish authorized access management and authenticator management for internal and third-party personnel.
- Ensured policy documents are aligned with business objectives, implementable by the organization, and practical for compliance by ensuring purpose, scope, authority, and policy statements incorporate operational perspective and constraints
- Experience in aligning threat and vulnerability management efforts to frameworks and control objectives - MITRE ATT&CK, NIST CSF, ISO27001, CIS, OWASP.

CTFs

1 st Place out of 200, Red Team ICMCP's Scholarship Training Program CTF	June 2021
18th Place out of 59, CMD+CTRL DEFCON CTF	August 2021
2 nd Place out of 90, October Red Team Bootcamp CTF	October 2021
3 rd Place out of 80, November Red Team Bootcamp CTF	November 2021
912nd Place out of 4034, NahamCon 2022 CTF	April 2022
1 st Place out of 22, OWASP Orange County CTF	July 2022

Opportunity Career

Experience

ONOW Myanmar (Sep 2023 ~ Until now)   **5 mos**
Security Analyst

I conducted security assessments on cloud-based infrastructure, web applications, and AI systems, identifying vulnerabilities. Educated users on security best practices and conducted simulated phishing attacks. Designed secure IT architectures, generated reports from IDS/IPS findings, and analyzed root causes of security incidents. Documented security concepts, maintained SOPs, enforced policies, and communicated assessment results. Produced comprehensive penetration test reports and continuously monitored for potential threats, leveraging threat intelligence. I specialize in Penetration Testing, employing a proactive approach to identify and address vulnerabilities in systems and applications. Additionally, I have experience in Governance, Risk, and Compliance (GRC), ensuring alignment with industry regulations and implementing effective security policies and procedures to safeguard organizational assets.

ARK Premium Solutions (Oct 2022 ~ Sep 2023)   **1 yr**
SOC Engineer

I work on the SOC team, and my main responsibility is to ensure that our customers receive reliable repair and safety services in our various projects. I manage various offensive and defensive team projects. I have a

good understanding of the following security management devices: Trend Micro, Palo Alto, Fortinet, and others. Then I participate in more penetration testing projects. Metasploit framework, OWASP framework, NIST framework, Mitre Att&ck framework, Mitre D3fend framework and others are well-known.

Myanma Apex Bank (May 2015 ~ Oct 2022)   7 yrs & 6 mos
Technician

I'm working in a CMS team; my main duty is maintenance and monitoring self-service ATM terminals. Responsible for the management of assigned IT CMS projects and business process solutions for Cards businesses. Coordinates User Acceptance Testing (UAT) of CMS and ATM as assigned. Responsible for IT Support of ATMs and POS new deployment and maintenance. I received four promotions for my position.

Tasly Myanmar (Jun 2014 ~ Sep 2014)   4 mos
Technician

I'm working as IT Team Lead only, my main duty is maintenance and monitoring office personal computers, finger print, printer, FAX, web CMS Joomla administration and network and wireless issues daily.

Cybernetics Outdoor Services (Jan 2010 ~ Sep 2013)   3 yrs & 9 mos
Technician

I'm working in the IT Team; my main duty is maintenance and monitoring self-service personal computers and Internet of things in the whole Yangon Region.

Freelancer Ranks

Company   :   Bug Crowd
Duration   :   2021 - Present
Position   :   Web Application Tester

Company   :   HackerOne
Duration   :   2019 – Present
Position   :   Web Application Pentester

Company   :   Google
Duration   :   2021 – Present
Position   :   Bug Hunter

Company   :   Try Hack Me
Duration   :   2020 – Present
Position   :   God Level CTF Player

Company   :   Hack The Box
Duration   :   2021 – Present
Position   :   Noob Level CTF Player

Personal

- Myanmar Citizen, 1991. Born in Myanmar. Schooled at No.6 Botahtaung School, Botany (Yangon East University). Married.
- Fond of travel, diverse cultures, books and movies. Avid spectator of sports and current affairs.