

# PATRICK MARK ANDREI M. CASTRO

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## OBJECTIVE

Dedicated cybersecurity professional with extensive hands-on experience in Vulnerability Assessment and Penetration Testing (VAPT) for web, API, and mobile platforms, as well as Red Teaming, acquired from working with international clients and projects. Seeking a mid to senior-level role within a forward-thinking company that values technical expertise and a commitment to cybersecurity excellence. Equipped with a Bachelor's Degree in Computer Science, I offer a solid foundation in network, web, and mobile application security best practices. My qualifications include:

- Proficiency in programming and scripting languages such as Python, PHP, JavaScript, Java, C#, C++, Ruby, and Bash.
- Experience in developing and deploying web applications and managing databases on cloud platforms like Heroku and AWS.
- Strong task management skills with the ability to handle multiple projects.
- Expertise with security toolkits including Kali Linux, Metasploit, and Burp Suite.
- In-depth knowledge of cybersecurity frameworks and standards such as CWE, NVD, OWASP, and CVSS.

## EDUCATION

### Adamson University - Bachelor's, Computer Science

- Former Adamson University Student Government (AUSG) Representative of Adamson Computer Science Society (ACOMSS)
- Former Executive Treasurer of Adamson Computer Science Society (ACOMSS)
- Hackathon Team Leader in UNFPA Cybersecurity Conference 2020

## CERTIFICATIONS

- **The SecOps Group:** Certified Mobile Pentester (CMPen - iOS)
- **The SecOps Group:** Certified Mobile Pentester (CMPen - Android)
- **The SecOps Group:** Certified Network Security Practitioner (CNSP)
- **The SecOps Group:** Certified AppSec Pentester (CAPen)
- **The SecOps Group:** Certified AppSec Practitioner (CAP)
- **INE (formerly eLearnSecurity):** Web application Penetration Tester (eWPTv2)
- **INE (formerly eLearnSecurity):** Junior Penetration Tester (eJPT)
- **(ISC)²:** Certified in Cybersecurity (CC)
- **C)PTE:** Certified Penetration Testing Engineer
- **C)SA1:** Certified Security Awareness 1
- **CertiProf:** Cybersecurity Awareness Professional Certification (CAPC)
- **NSE:** Network Security Associate (NSE 2 & NSE 1)
- **ISO/IEC 27001:** Information Security Associate™
- **ISO/IEC 20000:** IT Service Management Associate™

## EXPERIENCES

### Manulife Data Services Inc., Quezon City, NCR

October 2023 - Present

#### Penetration Tester, Application Security

- One of the pioneers of the GCS (Global Cyber Security) Application Security Team.
- Conduct comprehensive penetration tests on internal and external web applications, web services, and during SDLC releases.
- Perform security assessments for APIs, and conduct mobile security testing for Android and iOS applications.
- Execute security tests throughout the Software Development Life Cycle (SDLC) to identify and address vulnerabilities.
- Create and deliver detailed penetration test reports to stakeholders across multiple regions including Canada, Asia (e.g., Philippines, Japan, Hong Kong, China, Singapore, Cambodia, Indonesia), and Global Wealth and Asset Management (GWAM) segment.
- Work with app teams from diverse regions to provide remediation support and enhance security posture.
- Conduct Dynamic Application Security Testing (DAST) scans on web applications and web services.
- Developed comprehensive mobile security testing documentation to enhance application security protocols.
- Contributed detailed and accurate inputs to the vulnerability database, including threat data,

- risk assessments, and mitigation strategies.
- Utilize tools such as BurpSuite (Professional and Enterprise), Postman, MobSF, and more.

**KPMG R. G. Manabat & Co.,** Makati City, NCR

August 2022 - October 2023

**Cyber Security Consultant, Consultant I**

- Reviews client's processes and controls against leading practice and industry frameworks
- Conducts VAPT activities in network, web application (blackbox and graybox), API, and more from different industries including financial services, managed services, energy sector, business processing outsourcing, and more.
- Conducts Red Teaming activities (phishing, physical security, wireless testing).
- Utilizes tools such as Kali Linux, Metasploit, BurpSuite Pro, Nmap, Nessus Expert, Nuclei, Dradis framework, and more.
- Experienced in creating, editing, validating VAPT reports.
- Involved in development of web application scanner used for VAPT engagements.
- Co-leads the execution of VAPT in Web VAPT for different engagements.

**Poseidon IT Solutions,** Remote/Taguig City, NCR

March 2022 - May 2022

**Security Analyst Intern**

- Utilized platforms and tools such as Kali Linux, Metasploit Framework, BurpSuite, and more.
- Created learning materials in network security, digital forensics, network attacks and exploits, and more.
- Created two CTFs for students about digital forensics and ethical hacking.
- Experienced in writing a data privacy notice.

**TALKS**

**Adamson University**

August 2023

**Panelist,** Computer Science Capstone Project

**Adamson University**

March 2022

**Presenter,** Computer Science Research Symposium

**ACHIEVEMENTS**

**TCON7 2024**

November 2024

**1st Place,** Capture the Flag (CTF)

**UNFPA Cybersecurity Conference 2020**

October 2020

**Grand Winner,** Hackathon

**Best Technology Award,** Hackathon

**Best Idea Award,** Hackathon

**CTFs**

TCON7 CTF

November 2024

NahamCon CTF 2024

May 2024

NahamCon CTF 2023

June 2023

HSCTF 10

June 2023

DamCTF 2023

April 2023

HTB Cyber Apocalypse 2023

March 2023

picoCTF 2023

March 2023

MHSCTF Valentine's Day Edition

February 2023

idekCTF 2022

January 2023

Real World CTF 5th

January 2023

GuideM HackTheKingdom CTF

December 2022

NahamCon 2022 CTF

April 2022

HackativityCon 2021

September 2021

**SKILLS**

**Soft Skills**

- Teamwork
- Leadership
- Openness to criticism
- Adaptability
- Mentoring

## Technical Skills

- Vulnerability Assessment
- Penetration Testing
- Application Security
- Network Security
- Mobile Application Security
- iOS jailbreak
- Android rooting
- Web development
- Programming (Python, C++, C#, Java, PHP)
- Database management (MySQL and Microsoft SQL Server)
- Experience in using Dradis, Trello, Figma, Github, VS Code, VMWare
- Knowledgeable in OWASP Top 10 (Web, API, Mobile).

## TRAININGS

- INE Web Application Penetration Testing Professional, January 2024
- APIsec API Security Fundamentals, November 2023
- ROOTCON 17: Red Team Village - Initial Payload Development, September 2023
- ROOTCON 17: Red Team Village - Introduction to Red Teaming, September 2023
- ROOTCON 17: 101 Village - Mobile Pentesting 101, September 2023
- (ISC)<sup>2</sup> CC: Certified in Cybersecurity, (ISC)<sup>2</sup>, June 2023
- Web Application Penetration Testing, KPMG, March, 2023
- Network and Active Directory, KPMG, March 2023
- Mobile Application Security Testing, KPMG, March 2023
- Wi-Fi Security Testing, KPMG, February 2023
- Digital Forensics, KPMG, February 2023
- TCM Security - Mobile Application Penetration Testing, January 2023
- Various TryHackMe Learning Paths and Rooms, January 2023
- GuideM Ethical Hacking: Vulnerability Assessment & Penetration Testing, December 2022
- Mile2 C)PTE: Certified Penetration Testing Engineer, October 2022
- Mile2 C)SA1: Certified Security Awareness 1, October 2022
- Data Privacy Training, August 2022
- Information Protection Fundamentals, August 2022
- Ethical Hacking: Wireless Networks, August 2022
- Intro to Bug Bounty Hunting and Web Application Hacking, August 2022
- Web Application Penetration Testing, August 2022
- NSE 2 The Evolution of Cybersecurity, May 2022
- NSE 1 Information Security Awareness, February 2022
- INE Penetration Testing Student, February 2022
- TCM Security - Practical Ethical Hacking (PEH), October 2020

## CONFERENCES

<b>TCON7: Northern Philippines' National Cyber Security Conference</b> Participant, Tuguegarao City	November 2024
<b>ROOTCON 18: Hacking Conference</b> Participant, Tagaytay City	September 2024
<b>DECODE 2024: FUSION FORWARD</b> Participant, EDSA Shangri-la, Manila	September 2024
<b>ROOTCON 17: Hacking Conference</b> Participant, Tagaytay City	September 2023