

# Marco

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## SUMMARY

### Cyber Threat Intelligence | Cloud Engineering | Application Security

Results-driven Full-Stack Developer with a strong foundation in application security, cloud infrastructure, and threat intelligence. Adept at secure system development, cloud architecture, and cybersecurity best practices, with proven ability to optimize system performance, enhance security, and contribute to team success. Thrives in fast-paced environments, effectively collaborating under pressure while continuously expanding technical expertise.

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## EXPERIENCE

### AI Cybersecurity Engineer

Amaris.AI • Singapore • November 2023 - Present

- Part of the NEOM and CS02 Cybercall Project.
- Spearhead the deployment and maintenance of a Cyber Threat Intelligence Platform, supporting research and development initiatives.
- Lead developer for AI Protector, a secure encrypted partition and in-memory execution solution.
- Architect and implement secure data transfer systems, integrating OpenSSH, WireGuard VPN, Firewall Rules, Granular ACLs, and Data Diodes.
- Oversee cloud infrastructure, provisioning and managing security configurations, firewalls, and workload deployment across cloud environments.
- Maintain comprehensive documentation for knowledge management and operational efficiency.

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## PROJECTS

### TONOMUS NEOM – Cyber Threat Intelligence Platform

Amaris.AI • January 2024 - Present

- Responsible for deployment and integration of threat intelligence platform and all cloud-related components.
- Developed a cloud solution to provide secure encrypted partition and in-memory execution (AI Protector)
- In charge of provisioning and maintaining all cloud-related workload including configuration of Firewalls and Network Security Groups.
- Conducted R&D on cloud security measures and AI-driven threat intelligence solutions to improve operational efficiency.
- Supported a team of 15+ Engineers.

### Restaurant Reservation / Delivery System (University Final Year Project)

Singapore Institute of Management • January 2023 - June 2023

- Front-end developer liable for the design of .NET web-application by utilizing CSHtml, CSS and JavaScript.
- Accelerated project timeline by 14 days through structured documentation of specifications and requirements.
- Implementation of agile method (Kanban) to increase the efficiency of the team by 35% and keep progress in check.
- Conducted manual testing and bug fixes, ensuring software stability and usability.

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## EDUCATION

### Bachelor of Computer Science (Cybersecurity), Distinction

University of Wollongong via Singapore Institute of Management | Singapore | 2023

### Diploma in Network Defense and Forensic Countermeasures

PSB Academy | Singapore | 2020

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## CERTIFICATIONS

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### **Certified Ethical Hacker (CEH)**

EC-Council • [ECC7624950831](#)

### **Certified Security Specialist (ECSS)**

EC-Council • [ECC1326587409](#)

### **Computer Hacking Forensic Investigator (CHFI)**

EC-Council • [ECC4971825306](#)

### **AWS Cloud Foundation**

AWS Academy • [Credly](#)

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## SKILLS

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**Programming :** Python, Java, JavaScript, C++

**Web Development :** HTML, CSS, PHP, NodeJS (Express)

**Databases :** SQL, MongoDB (NoSQL)

Cloud Platforms: Microsoft Azure, Oracle Cloud, Alibaba Cloud

**Tools & Platforms:** Git, VirtualBox, Kali Linux, Metasploit, Wireshark, Microsoft Tools, OpenCTI, IntelOwl, Splunk, Dockers

**Knowledge :** Object-Oriented Programming, Threat Intelligence, Vulnerability Management, Incident Response, Disaster Recovery, Prompt Engineering, Knowledge Management

**Language :** English, Hokkien, Indonesian, Basic Chinese