

Thu Yein Tun

Phone	(+65) 8433 0060	LinkedIn	https://linkedin.com/in/thuyeintun
Email	thuyeintun.zack@gmail.com	GitHub	https://github.com/the-c0d3r
Website	https://the-coder.dev	Nationality	Myanmar (Chinese Race)

Summary

I am currently working as Technical Lead at a cybersecurity company, a pioneer since its inception as a startup. I am a developer skilled in writing high-performance code, cyber threat detection engines, and system architecture designs. Also, I am a regular open-source contributor and cybersecurity enthusiast with Offensive Security Certified Professional (OSCP). I usually do hacking and programming in my free time, as I like building things as much as breaking them.

SKILLS

Programming Languages:

- Python (8+ years), Java (6+ years), C & C++ (5+ year)
- Mobile App Development (iOS, Android)

Other Skills:

- Penetration Testing ([OSCP certified](#) ID: OS-101-42545)
- Server, Network and Database Administration
- x86 basic reverse engineering, binary exploitation

Tools

- Kafka, Zookeeper, Storm
- Redis, Firebase, HBase
- Ansible, Docker, Vagrant
- CentOS, RHEL
- DPDK

Languages (written and spoken)

- Myanmar (Native)
- Mandarin Chinese (Fluent)
- English (Fluent)

ONLINE ACTIVITIES

Cybersecurity

- [HackTheBox Profile](#) (60+ machines pwned)
- [TryHackMe Profile](#)

Programming

- [StackOverflow Developer Profile](#) (1k+ reputation)
- [SuperUser Profile](#)

NOTABLE OPENSOURCE CONTRIBUTIONS

Aug 2018

[Google's Firebase python SDK](#) : Implemented a realtime database listener to listen on changes from the database

WORK EXPERIENCE

Technical Lead (Cyber security) - Aegis Technologies

Feb 2019 – (Present)

I was promoted to Technical Lead position after serving a year and a half at the company as R&D engineer. Along the way, I have acquired OSCP certification, and category two security clearance for working on classified projects.

Responsibilities:

- Leading a team of 5 to 10 people
- System architecture and design, project timeline, requirements, features, task allocations
- Interview potential candidates, mentor teammates and interns
- Code reviews, knowledge sharing, developing best practices and policies for the development workflow
- Solving technical issues the team face day-to-day
- Performance optimisations for software, hardware and OS
- Building the entire company network infrastructure from scratch, and maintaining it

Developed:

- Fully automated complete end-to-end testing using Vagrant, Ansible, Jenkins
- 4x processing speed increment by optimising architecture, from 10 Gbps to 40 Gbps
- Optimised database to reach 200,000 inserts per second (PostgreSQL)
- Deep packet inspection (DPI) engine, various protocol decoders
- High-performance c++ data processing engine

Research and Development Engineer - [Aegis Technologies](#)

Sep 2017 – Feb 2019

I was employed as pioneer R&D Engineer for a cybersecurity startup that was very recently incorporated.

Responsibilities:

- Building backend systems for Cyber Security Operation Center platform
- Systems deployment and maintenance at datacenters
- Research and develop techniques to detect and mitigate cyber threats
- Conduct security auditing of the SoC, building and implementation of network security policies

Developed:

- Multi-threaded backend processing engine (C) handles up to 10Gbps of net flow for threat detection
- Realtime data processing (Java) on Apache Storm, Apache Kafka, Apache Zookeeper and Apache Hbase
- Middleware data processing (NodeJS)
- Modular threat detection engine (Python) to detect threats from TCP/IP network flow information
- DDoS mitigation system (Python) using tier 1 routers and protocols (BGP, flow spec)
- Mobile Device Management System (Swift, Java, and Python) for iOS, Android, and server

EDUCATION

Bachelor of Information Technology (Computer science and networking)

Nov 2014 - Jun 2017

James Cook University (Australia), Singapore Campus