MOHAMAD FAKHRI BIN ZULKIFLI

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Proficient in electronics and interested in computer and network security engineering application in industry. An effective team player looking for challenging opportunity and responsibility which can improve my technical abilities.

Education

Qualification	: Bachelor's degree
Field of Study	: Computer Engineering
Major	: Computer System
Institute/University	: Universiti Teknikal Malaysia, Melaka
Current CGPA	: -
Graduation Date	: In 2020

Qualification	: Diploma
Field of Study	: Electronic Engineering
Major	: Embedded System
Institute/University	: MARA Japan Industrial Institute, Kajang
CGPA	: 3.07
Graduation Date	: Dec 2015

Experience

Company Name	**: NetbyteSEC**
Position Title	: Security Engineer
Position Level	: Engineer
Specialization	: Cyber Threat and Research
Industry	: IT Computer Security
Duration	: Jan 2016 – present
Responsibilities	:

- Develop and deploy mainly security related software for analytics and intelligence such as honeypot/honeynet, scanner, sandbox, and etc.
- Involved in whitebox and blackbox application/network/web penetration testing.
- Develop and maintain the back-end infrastructure for the monitoring, reporting, and analysis tools.
- Configure and install firewalls and intrusion detection systems.
- Create new ways to solve existing production security issues.
- Perform vulnerability testing, risk analyses and security assessments.
- Develop automation scripts to handle and track incidents.
- Investigate intrusion incidents, conduct forensic investigations and mount incident responses.
- Evaluate new technologies and processes that enhance security capabilities.

Company Name **: CyberSecurity Malaysia**
Position Title : Research Intern
Position Level : Intern
Specialization : Cyber Threat and Research
Industry : IT Computer Security
Duration : July 2015 – November 2015
Responsibilities :

- Developed a Proof-of-Concept project (Modsecurity Snort Preprocessor).
- Involved in the development of OIC-CERT Cyber Drill 2015 exercises.
- Involved in the development of LebahNet honeypot projects.
- Developed a lightweight Apache module (mod_sqli) integrated with SQLi tokenizer parser analyzer.

Company Name **: Iman Amal Ventures Sdn Bhd**
Position Title : Technology Consultant
Position Level : Consultant
Specialization : Electronics – Hardware/Software Integration
Industry : Electrical and Electronics
Duration : July 2013 – Jun 2014
Responsibilities :

- Technologist.
- Responsible for advanced hardware and software integration.
- Technical updates researcher.

Company Name **: Komuniti ICT**
Position Title **:** PHP MySQL Developer
Position Level : Back-end Developer
Specialization : IT/Computer – Web Application Development
Industry : Computer / Information Technology (Software)
Duration : Jan 2011 – March 2011
Responsibilities :

- Develop PHP MySQL based web application systems.
- Responsible for web applications system development and database management.

Additional Info

PROFESSIONAL DEVELOPMENT

AleJnd Alliance (2015 - Present)
Member of the local Malaysian Capture-the-Flag team.

Project MakerBridge MyTeam (2013 - 2015)
The objective of this project is to encourage and provide a hands-on workshop on using open source hardware such as Arduino and other type of latest hardware.

SKILLS

Programming Languages:
        C, C++, Assembly, Python, PHP

Web Programming Languages:

Javascript, XML, JSON, NodeJS

Databases:

MySQL, PostgreSQL, SQLite, MongoDB

Web Servers:

Apache, Nginx

CMS:

Joomla, Wordpress, Opencart

RESEARCH

- Defeating PHP-GD or ImageMagick library using code injection for GIF and JPEG file format.
- IPv6 network scanning using packet advertisement and solicitation.
- Porting Modsecurity detection engine into Snort's Dynamic Preprocessor.
- CVE-2018-12453 - Redis 5.0 Denial of Service
- CVE-2018-12326 - Redis-cli Buffer Overflow
- CVE-2018-12327 - ntpq and ntpdc 4.2.8p11 Local Buffer Overflow
- CVE-2018-12617 - QEMU Guest Agent Denial of Service
- CVE-2018-13458 - Nagios Core qh_core Denial of Service
- CVE-2018-13457 - Nagios Core qh_echo Denial of Service
- CVE-2018-13441 - Nagios Core qh_help Denial of Service
- CVE-2018-16517 - NASM 2-14rc5 Denial of Service

OTHERS

- Cyber Range Academy Conference 2018 (CTF Overlord)
- NanoSec X Wargames MY 2018 (CTF Overlord)
- i-Hack 2018 Competition (CTF Overlord)
- KICTM 2018 iCTFF Professional 1st place (alejnd)
- Hack@10 2018 2nd place (AleJnd)
- KPMG Cyber Security Challenge 2017 Cross Country 1st place (EternalBlue)
- KPMG Cyber Security Challenge 2017 Malaysia 2nd place (EternalBlue)
- Wargames.my Capture-the-Flag 2017 3rd place (AleJnd)
- KICTM 2017 iCTFF 1st place (alejnd.A)
- Borneo Cyber Security Challenge 2017 (CTF Overlord)
- Wargames.my Capture-the-Flag 2016 1st place (aleuto)
- i-Hack 2016 Competition 2nd place (Cyber Forensic)
- KPMG Cyber Security Challenge 2015 2nd place (aleuto)
- The National Big App Challenge 2.0 (Cyberjaya City Hacks)
- Angelhack Kuala Lumpur Hackathon 2015 finalist (Gasunomi)
- Wargames.my Capture-the-Flag 2015 2nd place (aleuto)