

# Khairul Anuar

SYSTEM ENGINEER · PROGRAMMER

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## Summary

System Engineer in Fujitsu Network Solutions Ltd. 2+ years experience specializing in machine learning, programming, backend/infrastructure, web development, Software Defined Networking and L3-L1 networking. Super nerd who loves Vim, Linux and Open Source and loves to try new programming language. Enjoys self especially when creating a better problem-solving with critical thinking for challenging tasks, and learning new technologies along the way.

## Work Experience

### Fujitsu Network Solutions Ltd.

*Yokohama, Kanagawa, Japan*

SYSTEM ENGINEER

*Apr. 2017 - PRESENT*

- Developer for DLIST Manager by Utilizing A10 Networks Thunder Series RESTfull API with Azure Serverless Function App to control domain list).
- Administrator for Fujitsu Network Solutions Cloud 2 deployed using VMWARE Esxi 5.0
- Main team to control sales release for A10 Thunder Series and managing all main process to sell A10 Networks Thunder Series as Fujitsu Network Solutions is partner with A10 Networks
- Team leader in developing Automation Program for testing A10 Networks Thunder Series using RESTful API

### R.O.K Cyber Command, MND

*Seoul, S.Korea*

SOFTWARE ENGINEER & SECURITY RESEARCHER (COMPULSORY MILITARY SERVICE)

*Aug. 2014 - Apr. 2016*

- Lead engineer on agent-less backtracking system that can discover client device's fingerprint (including public and private IP) independently of the Proxy, VPN and NAT.
- Implemented a distributed web stress test tool with high anonymity.
- Implemented a military cooperation system which is web based real time messenger in Scala on Lift.

### NEXON

*Seoul, S.Korea & LA, U.S.A*

GAME DEVELOPER INTERN AT GLOBAL INTERNSHIP PROGRAM

*Jan. 2013 - Feb. 2013*

- Developed in Cocos2d-x an action puzzle game (Dragon Buster) targeting U.S. market.
- Implemented API server which is communicating with game client and In-App Store, along with two other team members who wrote the game logic and designed game graphics.
- Won the 2nd prize in final evaluation.

### ShitOne Corp. (Start-up company)

*Seoul, S.Korea*

SOFTWARE ENGINEER

*Dec. 2011 - Feb. 2012*

- Developed a proxy drive smartphone application which connects proxy driver and customer.
- Implemented overall Android application logic and wrote API server for community service, along with lead engineer who designed bidding protocol on raw socket and implemented API server for bidding.

### SAMSUNG Electronics

*S.Korea*

FREELANCE PENETRATION TESTER

*Sep. 2013, Mar. 2011 - Oct. 2011*

- Conducted penetration testing on SAMSUNG KNOX, which is solution for enterprise mobile security.
- Conducted penetration testing on SAMSUNG Smart TV.

## Honors & Awards

### INTERNATIONAL

- |      |   |                         |
|------|---|-------------------------|
| 2017 | <b>Finalist</b> , DEFCON 25th CTF Hacking Competition World Final | <i>Las Vegas, U.S.A</i> |
| 2014 | <b>Finalist</b> , DEFCON 22nd CTF Hacking Competition World Final | <i>Las Vegas, U.S.A</i> |
| 2013 | <b>Finalist</b> , DEFCON 21st CTF Hacking Competition World Final | <i>Las Vegas, U.S.A</i> |
| 2011 | <b>Finalist</b> , DEFCON 19th CTF Hacking Competition World Final | <i>Las Vegas, U.S.A</i> |
| 2012 | <b>6th Place</b> , SECUINSIDE Hacking Competition World Final     | <i>Seoul, S.Korea</i>   |

### DOMESTIC

2015 **3rd Place**, WITHCON Hacking Competition Final  
2013 **Silver Prize**, KISA HDCON Hacking Competition Final

Seoul, S.Korea  
Seoul, S.Korea

## Presentation

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### 6th CodeEngn (Reverse Engineering Conference)

Seoul, S.Korea

PRESENTER FOR <DEFCON 20TH : THE WAY TO GO TO LAS VEGAS>

Jul. 2012

- Introduced CTF(Capture the Flag) hacking competition and advanced techniques and strategy for CTF

## Writing

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### A Guide for Developers in Start-up

Facebook Page

FOUNDER & WRITER

Jan. 2015 - PRESENT

- Drafted daily news for developers in Korea about IT technologies, issues about start-up.

### AhnLab

S.Korea

UNDERGRADUATE STUDENT REPORTER

Oct. 2012 - Jul. 2013

- Drafted reports about IT trends and Security issues on AhnLab Company magazine.

## Program Committees

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2016 **Problem Writer**, 2016 CODEGATE Hacking Competition World Final

S.Korea

2013 **Organizer & Co-director**, 1st POSTECH Hackathon

S.Korea

## Education

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### POSTECH(Pohang University of Science and Technology)

Pohang, S.Korea

B.S. IN COMPUTER SCIENCE AND ENGINEERING

Mar. 2010 - Aug. 2017

- Got a Chun Shin-II Scholarship which is given to promising students in CSE Dept.

## Extracurricular Activity

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### PoApper (Developers' Network of POSTECH)

Pohang, S.Korea

CORE MEMBER & PRESIDENT AT 2013

Jun. 2010 - Jun. 2017

- Reformed the society focusing on software engineering and building network on and off campus.
- Proposed various marketing and network activities to raise awareness.

### PLUS (Laboratory for UNIX Security in POSTECH)

Pohang, S.Korea

MEMBER

Sep. 2010 - Oct. 2011

- Gained expertise in hacking & security areas, especially about internal of operating system based on UNIX and several exploit techniques.
- Participated on several hacking competition and won a good award.
- Conducted periodic security checks on overall IT system as a member of POSTECH CERT.
- Conducted penetration testing commissioned by national agency and corporation.