EMBEDDED ENGINEER · SECURITY EXPERT

Annette-Kolb-Anger 2, Ramersdorf-Perlach, 81737 M�nchen, Germany

□ (+49) 017655155443 | ankitkalbande@gmail.com | posquit0 | ankitkalbande

"Be the change that you want to see in the world."

Summary

Current Co-founder & Software Engineer in start-up company PLAT Corp. 5+ years experience specializing in backend/infrastructure, web development and computer security. Super nerd who loves Vim, Linux and OS X and enjoys to customize all of the development environment. Interested in devising a better problem-solving method for challenging tasks, and learning new technologies and tools if the need arises.

Work Experience __

Europ⊠ische Funk-Rundsteuerung(EFR) GmbH

Munich, Germany

Jun. 2016 - PRESENT

EMBEDDED DESIGN ENGINEER & SECURITY EXPERT

- Designed BSI (Bundesamt f\(\mathbb{Z} \)r Sicherheit in der Informationstechnik) complient software architecture for SMGW (Smart Meter Gateway).
- Developed a secured linux boot workflow for Atmel's SAM5D35 MCU (ARM cortex A5).
- · Integrated smartcard with SMGW.
- Making the SMGW Common Criteria Compliant (ISO/IEC 15408).
- Tools (Openssl, Buildroot, Wireshark, Eclipse, etc)
- Protocol (TLS/SSL 1.2, ISO7816, NTP, SOCKSV5)

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

Dec. 2011 - Feb. 2012

SOFTWARE ENGINEER

- 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

2014	Finalist, DEFCON 22nd CTF Hacking Competition World Final	Las Vegas, U.S.A
2013	Finalist, DEFCON 21st CTF Hacking Competition World Final	Las Vegas, U.S.A
2011	Finalist, DEFCON 19th CTF Hacking Competition World Final	Las Vegas, U.S.A
2012	6th Place, SECUINSIDE Hacking Competition World Final	Seoul, S.Korea

DOMESTIC

2015	3rd Place , WITHCON Hacking Competition Final	Seoul, S.Korea
2013	Silver Prize, KISA HDCON Hacking Competition Final	Seoul, S.Korea

Presentation

November 8, 2017 Claud D. Park · Résumé

Jul. 2012

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

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

Writing_

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

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

S.Korea

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

S.Korea

Education

TUM(Technical University of Munich)

MASTERS OF SCIENCE IN COMMUNICATION ENGINEERING

Munich, Germany

Oct. 2013 - Oct. 2015

- · Embedded System and Security
- Wireless Sensor Network
- · Network Planning

- Sftware Defined Networking
- System on Chip Design
- HW-SW Co-design System
- VLSI Design
- Electronic Design Automation
- Broadband Communication

VNIT(Visvesvaraya National Institute of Technology)

Nagpur, India

Bachelor of Technology in Electronics and Communication Engineering

Aug. 2009 - Sept. 2013

- Digital and Analog Circuit Designing
- Embedded System

- Analog and Digital Communications
- Mobile Communication
- Network Planning
- · Real-time operating system

Extracurricular Activity

PoApper (Developers' Network of POSTECH)

Pohang, S.Korea

CORE MEMBER & PRESIDENT AT 2013

Jun. 2010 - PRESENT

- 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.