Byungjin Park

SOFTWARE ARCHITECT · SECURITY EXPER

42-8, Bangbae-ro 15-gil, Seocho-gu, Seoul, 00681, Rep. of KOREA

🛛 (+82) 10-9030-1843 | 🖉 posquit0.bj@gmail.com | 🍘 www.posquit0.com | 🖸 posquit0 | 🖬 posquit0

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

Summary.

Current Site Reliability Engineer at start-up company Kasa. 7+ years experience specializing in the backend development, infrastructure automation, and computer hacking/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 _____

Omnious. Co., Ltd.

SOFTWARE ARCHITECT

- Provisioned an easily managable hybrid infrastructure (Amazon AWS + On-premise) utilizing IaC (Infrastructure as Code) tools like Ansible, Packer and Terraform.
- Built fully automated CI/CD pipelines on CircleCI for containerized applications using Docker, AWS ECR and Rancher.
- Designed an overall service architecture and pipelines of the Machine Learning based Fashion Tagging API SaaS product with the micro-services architecture.
- Implemented several API microservices in Node.js Koa and in the serverless AWS Lambda functions.
- Deployed a centralized logging environment(ELK, Filebeat, CloudWatch, S3) which gather log data from docker containers and AWS resources.
- Deployed a centralized monitoring environment(Grafana, InfluxDB, CollectD) which gather system metrics as well as docker run-time metrics.

PLAT Corp.

CO-FOUNDER & SOFTWARE ENGINEER

- Implemented RESTful API server for car rental booking application(CARPLAT in Google Play).
- Built and deployed overall service infrastructure utilizing Docker container, CircleCI, and several AWS stack(Including EC2, ECS, Route 53, S3, CloudFront, RDS, ElastiCache, IAM), focusing on high-availability, fault tolerance, and auto-scaling.
- Developed an easy-to-use Payment module which connects to major PG(Payment Gateway) companies in Korea.

R.O.K Cyber Command, MND

SOFTWARE ENGINEER & SECURITY RESEARCHER (COMPULSORY MILITARY SERVICE)

- 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

GAME DEVELOPER INTERN AT GLOBAL INTERNSHIP PROGRAM

- 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.

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

FREELANCE PENETRATION TESTER

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

Honors & Awards_

INTERNATIONAL

Jun. 2017 - May. 2018

Seoul, S.Korea

Seoul, S.Korea

Seoul, S.Korea

Jan. 2016 - Jun. 2017

Aug. 2014 - Apr. 2016

Seoul, S.Korea & LA, U.S.A Jan. 2013 - Feb. 2013

Seoul, S.Korea

Dec. 2011 - Feb. 2012

S.Korea

Sep. 2013, Mar. 2011 - Oct. 2011

October 9, 2018

2018	Finalist, DEFCON 26th CTF Hacking Competition World Final	Las Vegas, U.S.A
2017	Finalist, DEFCON 25th CTF Hacking Competition World Final	Las Vegas, U.S.A
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
Domest	ric l	
2015	3rd Place, WITHCON Hacking Competition Final	Seoul, S.Korea
2017	Silver Prize, KISA HDCON Hacking Competition Final	Seoul, S.Korea
2013	Silver Prize, KISA HDCON Hacking Competition Final	Seoul, S.Korea
Prese	entation	
DevFest	Seoul by Google Developer Group Korea	Seoul, S.Korea
Presenter for <hosting and="" application="" cloudflare="" for="" free="" github,="" netlify="" utilizing="" web=""></hosting>		Nov. 2017
 Introduced the history of web technology and the JAM stack which is for the modern web application development. Introduced how to freely host the web application with high performance utilizing global CDN services. 		
6th CodeEngn (Reverse Engineering Conference)		Seoul, S.Korea
Presenter for <defcon 20th="" :="" go="" las="" the="" to="" vegas="" way=""></defcon>		Jul. 2012
• Introduc	ced CTF(Capture the Flag) hacking competition and advanced techniques and strategy for CTF	
Writi	ng	
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.	
Prog	ram Committees	
2016	Problem Writer, 2016 CODEGATE Hacking Competition World Final	S.Korea
2013	Organizer & Co-director, 1st POSTECH Hackathon	S.Korea
Educa	ation	
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-Il Scholarship which is given to promising students in CSE Dept.		
Fxtra	curricular Activity	
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PoApper (Developers' Network of POSTECH)

Core Member & President at 2013

- 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)

Member

- 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.

Pohang, S.Korea

Pohang, S.Korea Jun. 2010 - Jun. 2017

Sep. 2010 - Oct. 2011