

# Sean Dunbar

TECHNICAL SUPPORT EXPERT · NERD

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## Education

### Dublin Institute of Technology

Dublin, Ireland

BSc (HONS) IN NETWORKING APPLICATIONS AND SERVICES, 1ST CLASS HONOURS

Sep. 2016 - May. 2017

- Awarded Best overall Academic Performance in the BSc (Hons) Networking Applications and Services (Academic Year 2016-2017)

### Dublin Institute of Technology

Dublin, Ireland

BTECH IN NETWORKING TECHNOLOGIES, DISTINCTION

Sep. 2014 - May 2016

## Skills

**DevOps** AWS, Docker, Kubernetes, Rancher, Vagrant, Packer, Terraform, Jenkins, CircleCI

**Back-end** Koa, Express, Django, REST API

**Front-end** Hugo, Redux, React, HTML5, LESS, SASS

**Programming** Node.js, Python, JAVA, OCaml, LaTeX

**Languages** Korean, English, Japanese

## Work Experience

### Google

Dublin, Ireland

INFORMATION TECHNOLOGY RESIDENT

Jul. 2017 - Present

- Provide direct and remote support for Linux, OS X, Windows, Chrome OS and Android platforms in addition to network-based applications.
- Troubleshoot Google's corporate resources and applications.
- Develop and participate in local and world-wide IT projects and initiatives, of small to medium complexity.
- Provide support for services such as video conferencing, remote access and new internal products and mobile technology.
- Analyze incoming requests and create self-service documentation for Google's internal users and the global support team.
- Work with the Linux Service Team to provide in-depth support for our Linux fleet.

### Google

Dublin, Ireland

SITE RELIABILITY ENGINEER, OPS ROTATION

Jul. 2018 - Oct. 2018

- Design and implement a quarter-long project for a legacy system in Python. This project reduced toil for the team maintaining it and removed blockers on future plans for the legacy system.
- Investigate and troubleshoot bugs in a legacy system.
- Participate in discussions of project and other ongoing discussions with senior SRE team.

### Qualcom

Dublin, Ireland

WORKSHOP INTERN

Jun. 2015 - Dec. 2015

- Diagnosing and repairing PCs, Printers and Servers
- Identifying failed parts for repair for replacement
- Configuring new machines for clients
- Adding new users in AD and updating emails in Exchange
- Using remote desktop software to assist end users
- Monitoring tickets through Autotask and resolving them
- Checking daily backups and collating failed backups into emails for senior staff

## Extracurricular Activity

### B10S (B1t On the Security, Underground hacker team)

S.Korea

CORE MEMBER

Nov. 2011 - PRESENT

- Gained expertise in penetration testing areas, especially targeted on web application and software.
- Participated on a lot of hacking competition and won a good award.
- Held several hacking competitions non-profit, just for fun.

## WiseGuys (Hacking & Security research group)

S.Korea

MEMBER

Jun. 2012 - PRESENT

- Gained expertise in hardware hacking areas from penetration testing on several devices including wireless router, smartphone, CCTV and set-top box.
- Trained wannabe hacker about hacking technique from basic to advanced and ethics for white hackers by hosting annual Hacking Camp.

## 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.

## MSSA (Management Strategy Club of POSTECH)

Pohang, S.Korea

MEMBER

Sep. 2013 - Jun. 2017

- Gained knowledge about several business field like Management, Strategy, Financial and marketing from group study.
- Gained expertise in business strategy areas and insight for various industry from weekly industry analysis session.

## Honors & Awards

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### INTERNATIONAL

2018	<b>Finalist</b> , DEFCON 26th CTF Hacking Competition World Final	Las Vegas, U.S.A
2017	<b>Finalist</b> , DEFCON 25th CTF Hacking Competition World Final	Las Vegas, U.S.A
2014	<b>Finalist</b> , DEFCON 22nd CTF Hacking Competition World Final	Las Vegas, U.S.A
2013	<b>Finalist</b> , DEFCON 21st CTF Hacking Competition World Final	Las Vegas, U.S.A
2011	<b>Finalist</b> , DEFCON 19th CTF Hacking Competition World Final	Las Vegas, U.S.A
2012	<b>6th Place</b> , SECUINSIDE Hacking Competition World Final	Seoul, S.Korea

### DOMESTIC

2015	<b>3rd Place</b> , WITHCON Hacking Competition Final	Seoul, S.Korea
2017	<b>Silver Prize</b> , KISA HDCON Hacking Competition Final	Seoul, S.Korea
2013	<b>Silver Prize</b> , KISA HDCON Hacking Competition Final	Seoul, S.Korea
2013	<b>2nd Award</b> , HUST Hacking Festival	S.Korea
2010	<b>3rd Award</b> , HUST Hacking Festival	S.Korea
2012	<b>3rd Award</b> , Holyshield 3rd Hacking Festival	S.Korea
2011	<b>2nd Award</b> , Holyshield 3rd Hacking Festival	S.Korea
2011	<b>5th Place</b> , PADOCON Hacking Competition Final	Seoul, S.Korea

## Presentation

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### DevFest Seoul by Google Developer Group Korea

Seoul, S.Korea

PRESENTER FOR <HOSTING WEB APPLICATION FOR FREE UTILIZING GITHUB, NETLIFY AND CLOUDFLARE>

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 : THE WAY TO GO TO LAS VEGAS>

Jul. 2012

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

### 6th Hacking Camp - S.Korea

S.Korea

PRESENTER FOR <METASPLOIT 101>

Sep. 2012

- Introduced basic procedure for penetration testing and how to use Metasploit

## Writing

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## A Guide for Developers in Start-up

FOUNDER & WRITER

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

Facebook Page

Jan. 2015 - PRESENT

## AhnLab

UNDERGRADUATE STUDENT REPORTER

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

S.Korea

Oct. 2012 - Jul. 2013

## Program Committees

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|------|---|---------|
| 2016 | <b>Problem Writer</b> , 2016 CODEGATE Hacking Competition World Final     | S.Korea |
| 2013 | <b>Organizer &amp; Co-director</b> , 1st POSTECH Hackathon                | S.Korea |
| 2012 | <b>Staff</b> , 7th Hacking Camp   | S.Korea |
| 2012 | <b>Problem Writer</b> , 1st Hoseo University Teenager Hacking Competition | S.Korea |
| 2012 | <b>Staff &amp; Problem Writer</b> , JFF(Just for Fun) Hacking Competition | S.Korea |