

# Kevin Kellar

COMPUTER SCIENCE UNDERGRADUATE (GRADUATING SPRING 2021)

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## Objective

Co-op in Computer Science or Software Engineering Starting Spring 2019

## Education

### California Polytechnic University

B.S. IN COMPUTER SCIENCE

San Luis Obispo, CA

Fall 2017 - Present

- **3.91 GPA** (CPSLO, Cumulative)
- Earned 'A' in **Data Structures**, **OO Java**, and Intro To Computer Organization (**Assembly**)
- 'A' in **Systems Programming** (C programming in Unix environment), Spring 2018
- Completion of Calculus Series (I - IV), Physics Series (I - III), and Technical Writing for Engineers

### Crescent Valley High School

HIGH SCHOOL DEGREE

Corvallis, OR

Fall 2015 - Spring 2017

- **4.00 Cumulative GPA**
- Two Years of Engineering Courses

## Work Experience

### Omnious. Co., Ltd.

SOFTWARE ARCHITECT

Seoul, S.Korea

Jun. 2017 - PRESENT

- Provisioned an easily manageable 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

Seoul, S.Korea

Jan. 2016 - Jun. 2017

- 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)

Seoul, S.Korea

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

GAME DEVELOPER INTERN AT GLOBAL INTERNSHIP PROGRAM

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

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.

SOFTWARE ENGINEER

Seoul, S.Korea

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

FREELANCE PENETRATION TESTER

S.Korea

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

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### INTERNATIONAL

- |      |   |                  |
|------|---|------------------|
| 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 |

### 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 |

## 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

## 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.

## 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 |

## Extracurricular Activity

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## **PoApper (Developers' Network of POSTECH)**

CORE MEMBER & PRESIDENT AT 2013

*Pohang, S.Korea*

*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)**

MEMBER

*Pohang, S.Korea*

*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.