

# Felipe Diaz

SOFTWARE DEVELOPER

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## Skills

<b>DevOps</b>	Ansible, Vagrant, Docker, AWS
<b>Back-end</b>	REST API, Django, Flask
<b>Front-end</b>	Redux, React, HTML5, LESS, SASS
<b>Programming</b>	Python, C, Node.js, JAVA
<b>Databases</b>	Sqlite, PostgreSQL, MySQL

## Experience

### Collins Aerospace

Annapolis, Maryland

SOFTWARE ENGINEER

Sep. 2018 - Current

- 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.

### Percival Engineering

Ellicott City, Maryland

SOFTWARE DEVELOPER

Nov. 2016 - Apr. 2018

- 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.

### U.S. Army

Fort Meade, Maryland

CYBER OPERATIONS SPECIALIST (17-C)

Nov. 2013 - Sep. 2017

- Researched classification algorithms(SVM, CNN) to improve accuracy of human exercise recognition with wearable device.
- Developed two TIZEN applications to collect sample data set and to recognize user exercise on SAMSUNG Gear S.

## Education

### 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.

## Honors & Awards

### INTERNATIONAL

- |      |   |
|------|---|
| 2018 | <b>Finalist</b> , DEFCON 26th CTF Hacking Competition World Final |
| 2017 | <b>Finalist</b> , DEFCON 25th CTF Hacking Competition World Final |

Las Vegas, U.S.A

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