Felipe **Diaz**

SOFTWARE DEVELOPER

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☐ (443) 808-6033 | ✉ fdiaz1500@gmail.com

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.

Skills

Programming	Python, C, Java, Node.js
Databases	Sqlite, PostgreSQL, MySQL
DevOps	Ansible, Vagrant, Docker, AWS
Back-end	REST API, Django, Flask
Front-end	Redux, React, HTML5, SASS, JSON

Experience

Collins Aerospace   *Annapolis, Maryland*

SOFTWARE ENGINEER   *Sep. 2018 - Current*

- 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.

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.

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Honors & Awards

INTERNATIONAL

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*