

# Felipe Diaz

SOFTWARE DEVELOPER

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## Summary

Current Software Engineer at Collins Aerospace with 7+ years experience specializing in backend development, infrastructure automation, and computer security. Passionate about software engineering and all things related to computer science. A Linux aficionado who loves learning about systems by tinkering and grokking documentation. Looking forward to leveraging my interests to tackle difficult problems by learning new technologies and creating tools if the need arises.

## Skills

<b>Programming</b>	Python, C, Java, JavaScript
<b>Databases</b>	SQLite, PostgreSQL
<b>DevOps</b>	Ansible, Vagrant, Docker, AWS
<b>Back-end</b>	REST API, Django, Flask, JSON
<b>Front-end</b>	HTML5, React, CSS

## Experience

### Collins Aerospace

Annapolis, MD

SOFTWARE ENGINEER

Sep. 2018 - Current

- Developed a highly-secure Python application that enables a bidirectional exchange of data between the aircraft and ground operations, including aircraft maintenance and performance data.
- Provide RHEL OS upgrades and apply security hardening standards according to CIS benchmarks.
- Develop and deliver core modules and other subsystem flight software in Python per design documents.

### Percival Engineering

Ellicott City, MD

SOFTWARE DEVELOPER

Nov. 2016 - Apr. 2018

- Developed a Python-based application to analyze vulnerabilities in Linux operating systems.
- Implemented standard test procedures for PLC and automated SCADA equipment.
- Defined and documented bug fixes and other test activities.

### U.S. Army

Fort Meade, MD

CYBER OPERATIONS SPECIALIST (17-C)

Nov. 2013 - Sep. 2017

- Developed software capabilities for offensive cyber operations, vulnerability assessments and penetration testing using manual testing techniques, scripts, commercial and open source tools.
- Troubleshoot and debugged networks, systems, and applications to identify vulnerabilities and other operational defects.

## Education

### Georgia Institute of Technology

Atlanta, GA

M.S. IN COMPUTER SCIENCE

2022

- Operating Systems, Computer Networks, Software Development Process

### Keller Graduate School of Management

Arlington, VA

MASTER OF INFORMATION SYSTEMS MANAGEMENT

2015

- Database Concepts, Networking and Security, Systems Analysis

### The College at Brockport

Brockport, NY

B.S. IN BUSINESS MARKETING

2010

- Business Accounting, Intermediate Statistics, Marketing Research

## Honors & Awards

2015 **Finalist**, NSA's Jr. Military Performer of the Quarter

Fort Meade, MD

2014 **Honor Graduate**, U.S. Army's Joint Cyber Analysis Course

Pensacola, FL