

JAMES CORRENTI

Senior Software Engineer

+1 (267) 402-8260
james.e.correnti@gmail.com
jamescorrenti.github.io
Washington, DC



Self-Driven and motivated entrepreneur with a proven track record of success and achievement in building organizations from simple ideas to successful organizations. Co-Founder of a company featured in Forbes and Business Insider and a winner of Cyber Startup of the Year by the Northern Virginia Technology Council. Seeking a technical role to build frictionless direct-to-customer experiences for continued development of technical and leadership skills.

WORK EXPERIENCE

Co-Founder and CTO

Shift5 | 2018 - Present

- Built a sophisticated cross-architecture data acquisition and processing pipeline on edge-computing devices customers use to protect critical assets and reduce operating and maintenance costs by 10%.
- Reduced production bugs by 20% by designing and implementing an advanced CI/CD pipeline integrated with specialized hardware that enabled unit testing of individual features and integration testing between features and product lines.
- Led a cross-functional team of engineers, product managers, designers, and business stakeholders to create Shift5's core product solutions from initial concepts to installation onto five fleet deployments.
- Developed a unified developer, testing, staging, and production environments using Vagrant and Docker for multiple engineering environments that improved deployment frequency by 30%.
- Grew and mentored the engineering team from sole individual contributor to an organization with 20 members, including Data Scientists, Mechanical, Electrical, Embedded, DevOps, Backend, and Frontend Engineers.
- Deployed initial static website using Hugo and Gitlab Pages and then refactored website to a service-oriented architecture web application on Django.
- Leveraged Knowledge in Python3, C++, Docker, Kubernetes, AWS, Gitlab CI/CD, Vagrant, Django, Postgres, Redis, Hugo, and Conan.

Cybersecurity Software Engineer

US Army | 2016 - 2019

- Architected and implemented software that interfaced with an FPGA and software-defined radio product to detect signals emanating from hobby drones and precisely jamming drones, creating a drone-free zone for product operators.
- Spearheaded penetration test of secure government network exposing three critical vulnerabilities in the network security model without detection by network defenders leading to an organizational network security transformation to a Zero Trust Reference Architecture.
- Implemented automated network defender tool to automatically scan network infrastructure for security vulnerabilities and offer recommendations to secure Windows Domains.
- Mentored five junior backend engineers on the team on Python and Docker best practices within the organization.
- Leveraged Knowledge in Python3, Flask, GNU Radio, SQL, AWS, GitHub, Linux, Windows, Powershell, BloodHound.

IT Operations Manager

US Army | 2011 - 2016

- Led cross-functional IT teams with a wide range of skill sets, including Windows System Administration, Help Desk, Networking, Cryptography, and Satellite and Radio Communications, conducting support simultaneously on three separate continents in austere environments.

SKILLS

Programming Python, C++, Git

DevOps Docker, Kubernetes, AWS, CI/CD, Vagrant, Conan

Professional Strong problem solver, Effective communication, Team player, Good time management

EDUCATION

BS with Honors in Computer Science

United States Military Academy
2007 - 2011



jamescorrenti



James Correnti