Brad Stinson
Software Developer & Hacker

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I'm passionate about technology and its use in making the world a better place. I love to learn new things and equally enjoy teaching others. My technical interests run the gamut, including software development, cloud computing, cyber security and penetration testing, Linux, and automation. My personal interests include faith, psychology and helping others become the best version of themselves that they can be.

WORK EXPERIENCES

Senior Test Automation Engineer
Ring0 Technologies | Jan 2023 - Present

Developed automated tests with pytest. Enhanced Gitlab CI pipelines with robust test matrices, performance optimizations, code quality and test coverage metrics. Developed and employed custom nested virtualization stack as test infrastructure workhorse. Developed automation library of Ansible content. Automated packaging of software including automated changelog generation and semantic version management.

DevOps Engineer
AFS | Dec 2021 - Jan 2023

Integrated Terraform, Ansible and custom Kubernetes Operator capabilities into Kubernetes-based platform. Developed automated tests based in Golang in support of quality assurance objectives. Optimized platform continual delivery with GitOps-based tools including ArgoCD and Flux. Contributed fixes to Platform One's Iron Bank container images and extended its Big Bang product's compatibility with security-hardened clusters. Customized and extended Ansible modules. Automated K8s cluster deployments into Azure and Azure Stack Hub.

DevOps Engineer
Geon Technologies | Feb 2020 - Sep 2021

As Lead System Administrator, planned and executed corporate IT infrastructure migration to new site without disruption to business operations. Pioneered cloud environment transition. Developed custom automation capabilities to streamline operational overhead. As DevOps Engineer, automated testing and packaging of software. Advocated for best practices standardization and time-saving optimizations to developer workflows. Implemented custom infrastructure in support of DevOps needs.

Senior Watch Officer
USAF | Feb 2019 - Jul 2019

Trained 19-man team in mission-essential workrole, ensuring timely execution of 2000+ missions. Developed 3 custom capabilities for organization that rejuvenated command and control across 5 departments and saved 6570 man-hours/year.

Mission Commander
USAF | May 2017 - Jan 2019
& Aug 2019 - Nov 2019

Supervised cyber network exploitation operations in support of national security and US military requirements. Lead 93 offensive cyber operations, totaling 2.9K hours in adversary networks. As Redirector Team Lead, maintained network comprised of over 100 devices using remote access in support of offensive cyber missions. Directly trained new Mission Commanders.

Remote Interactive Operator Training
USAF | Aug 2016 - May 2017

Cyber Network Operations Qualifications Course: Windows and linux OS deep dive, processes and services, file systems, registry and configurations, traversing networks and network enumeration, exploit methodology and security concepts, tunneling, redirection and exploits through tunnels, survey analysis and risk assessment.

SKILLS

Technical

Linux

DevOps

Cyber Security

Cloud Computing

Software Development

Professional

Quick Learner

Force Multiplier

Experienced Trainer

Written and Verbal Acumen

EDUCATION

BS in CompSci (Cum Laude)
California State University Fresno
2010 - 2015

MS in Cloud Computing Architecture
University of Maryland Global Campus
2020 - 2021

CERTIFICATIONS

Security+
CompTIA (2016)

C++ Assoc. Programmer
C++ Institute (2020)

Python Assoc. Programmer
Python Institute (2023)

Certified Tester: Foundation Level
ISTQB (2025)

Certified Tester: Test Automation Engineering
ISTQB (2025)

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