Geoffrey S. T. Welch

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Core Competencies

- Linux, RHEL, Ubuntu, Fedora
- Go, Python, Bash, C#, PowerShell, SQL, json, yaml, Java, JavaScript
- Automation using Ansible/PyInfra/Terraform, CI/CD
- STIG Compliance
- Docker/Podman/containerization
- Data normalization
- AWS, VMware, GitLab

Personal Projects

- github.com/comictagger/comictagger

Certifications

- CompTIA Security+

Professional Experience

Lead DevSecOps Engineer for Trust|Stack July 2022—July 2026
Contegix and Valiantys Federal *Remote*

- Implement protocol translation layer for fast and efficient synchronization of users/groups to many environments
- Implement RBAC across 15 applications in 6 different environments in a multi-tenant configuration
- Implement host-based network security that efficiently blocks attacks from internal and external threats
- Effectively remove *Privilege Escalation* from copyfail and variant CVEs
- Full system automation from machine provisioning to zero-downtime upgrades in DoD IL4-IL6 environments using Terraform, PyInfra and Ansible, with STIG-compliant hardening
- Implement secure and efficient multi-tenant user on-boarding process for customer personnel

Atlassian Administrator March 2019—March 2022
InDyne and ByLight *Vandenberg AFB, CA*

- Managed user access and permission levels for Jira and Confluence
- Developed projects, issues, boards, workflows, dashboards and JQL filters as needed
- Developed, tested and maintained 3 separate Jira/Jira Service Management integration solutions in C# and PowerShell, including querying AD, using the Jira Rest API, x509 Client Certificate/CAC authentication, data encryption using CAC certificates and developing tools to report on integration
- Developed tools to ease the use and management of Jira to include ticket validation and assignment

Sr. Systems Administrator January 2021—March 2022
InDyne and ByLight *Vandenberg AFB, CA*

- Add service validation scripts with x509 Certificate/CAC authentication and crafted DHCP requests to PXE server
- Debugged network issues with SSH and TCP on legacy architectures
- Configure VMWare vCenter to include linking vCenters, AD, x509/CAC auth, host profiles and compliance reporting
- Deploy OS images using WDS/PXE
- Create and manage PowerShell repository of utilities to assist with administering systems
- Migrated network of 400+ network devices and 9000+ endpoints from ISE 1.4 to ISE 3.1
- Enforce CAC authentication requirements on unsupported software

Systems Administrator June 2020—January 2021
InDyne *Vandenberg AFB, CA*

- Creating and automating reports including metrics, connectivity checks and security audits
- Managing Security patch installation via SCCM reporting and automatic pushing of updates
- Update and modernization of server infrastructure from Windows 2008 to Windows 2019
- Monitor servers, switches, websites and other services using PRTG and SolarWinds
- Troubleshoot VMWare ESXI Host failures