

# GREGORY WALSH

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## EXPERIENCE

### IAM PKI Security Engineer & Systems Administrator

*Noblis, Contractor for the Federal Aviation Administration (FAA)*

Egg Harbor, NJ

September 2020 - Current

- Manage the lifecycle of 40,000+ digital certificates across the FAA's National Airspace System (NAS), ensuring continuous secure operations.
- Develop Ansible playbooks to automate system upgrades, installations, and audits, improving consistency and reducing manual effort.
- Develop Python scripts leveraging REST APIs to automate PKI certificate operations, secrets provisioning, and system integration – reducing manual workload by 60%.
- Perform regular security scans and implement OS hardening, firmware patching, and vulnerability remediation in compliance with CIS, NIST, and ISO standards.
- Develop and operationalize threat detection and response workflows using SIEM (Splunk) and Tenable to identify, triage, and remediate vulnerabilities across cloud and on-prem environments.
- Develop CI/CD pipelines using GitLab, with Docker, reducing deployment times by 40%.

### MSP Partner & Operator

*Dans Tech Support LLC*

Egg Harbor, NJ

December 2022 - Current

- Manage IT infrastructure for 10 small-business clients (on-premises and cloud), ensuring high availability and security of their systems.
- Conduct regular security audits and manage user access permissions, ensuring adherence to best practices and client security policies.
- Design and implement secure networks for clients – configuring firewall rules, static routes, IDS, and DNS (Ubiquiti hardware) – to improve performance and security of client environments.
- Ensure client compliance with industry regulations and standards (PCI-DSS for payment, and data privacy for PII/PHI), implementing necessary controls and documentation.

### Adjunct Professor

*Stockton University*

Galloway, NJ

July 2021 - Current

- Teach undergraduate courses in Java and Python programming, developing curriculum and mentoring 100+ students to build strong coding fundamentals.

### PSS4 IT Helpdesk Technician

*Stockton University*

Galloway, NJ

May 2019 - September 2020

- Administered, monitored, and maintained Stockton University's fleet of macOS systems using Munki and Jamf, writing Bash scripts to automate software provisioning.
- Provided Windows/AD support by managing Active Directory users and Group Policies, including permissions and provisioning shared drives/printers.

## SKILLS

Languages:	Python, Java, SQL, Bash
Cloud Frameworks:	Azure, AWS (EC2, S3, Lightsail, Glacier, VPC, Lambda)
Networking Concepts:	TCP/IP, DNS, HTTP/s, Routing & Switching, Ports & Protocols
Operating Systems:	MacOS, Red Hat Enterprise Linux (RHEL), Windows Server
Continuous Integration & Delivery:	Kubernetes, Docker, Gitlab CI/CD, Jenkins
Security and Compliance:	HID OSCP & Validation (VA), EJBCEA, Thales Luna HSM, Entra ID
SIEM Observability:	Splunk, DataDog, Graylog, OpenText, SNMP, rsyslog
Service Proxy:	F5, NGINX, HA Proxy
Automation & Configuration:	Ansible, VMware vSphere, ESXi
EDR:	Microsoft Defender for Endpoint (MDE), Huntress

## EDUCATION & CERTIFICATIONS

### Stockton University

MS Data Science & Strategic Analytics *GPA: 4.0*

Galloway NJ

September 2019 - October 2020

### Stockton University

BS Computer Science & Information Systems *GPA: 3.6*

Galloway NJ

September 2015 - May 2019

### F5 BIG-IP Certified Administrator