

# Nicholas Voelker

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Chesapeake, VA | volkoff223@gmail.com | 619-606-5945 | www.nickvoelker.xyz

Results-driven system administrator, software developer, and systems analyst with 21 years of military experience. Expertise in enterprise system integration, full-stack development, and database administration. Adept at administering Red Hat Enterprise Linux (RHEL) systems and OpenShift clusters, automating deployments with Ansible and shell scripting, and enforcing security compliance. Proven track record of optimizing performance, reducing manual workloads, and ensuring compliance in classified, mission-critical environments.

## TECHNICAL SKILLS

- **Certifications:** Red Hat Certified Engineer, Red Hat Certified System Administrator, CompTIA Security+
- **System Administration & Automation:** Red Hat Enterprise Linux (RHEL), SELinux, systemd, yum/dnf, RPM, Kickstart, OpenShift, Proxmox, Ansible, Bash, SSH, Git, VIM
- **Languages & Frameworks:** Python, Go, JavaScript, HTML, CSS, Bootstrap, React, SvelteKit, Astro
- **Database Systems:** MySQL, MongoDB, Firebase, PocketBase
- **Security & Compliance:** TS/SCI Clearance, Cyber Tasking Orders (CTO) patching, OSHA 10 Hour Maritime Industry Course

## PROFESSIONAL EXPERIENCE

### Programmer Senior

#### *General Dynamics Information Technology* (2025-Present)

- Supported operation, maintenance, and troubleshooting of carry-on signals intelligence (SIGINT) systems aboard U.S. Navy vessels, performing the majority of tasks on RHEL and Red Hat-compatible Linux systems.
- Installed, configured, tested, and repaired servers, switches, Proxmox hypervisors, PXE-boot servers, workstations, and collection appliances.
- Automated provisioning and configuration using Ansible, PXE workflows, Kickstart, and shell scripting to build Proxmox and RHEL hosts.
- Applied security configurations and CTO-directed patching and vulnerability remediation to maintain compliance.
- Performed system integration and interoperability testing; validated end-to-end data flows across collection, processing, and workstation servers.
- Authored technical documentation and standard operating procedures, and executed release testing for new software versions.
- Collaborated with NSA, U.S. Navy personnel, government stakeholders, and contractors to resolve complex issues and prioritize capability enhancements.

### OpenShift Administrator

#### *Predicate Logic Inc* (2024-2025)

- Responsible for the configuration and management of the Agile Core Services (ACS) system installed on numerous U.S. Navy vessels.
- Deployed, configured, and managed OpenShift (Kubernetes) clusters and Red Hat Enterprise Linux-based virtualized environments.
- Maintained, troubleshooted, and optimized Linux servers to ensure high availability and security.
- Automated system administration tasks using Ansible (e.g., provisioning, patching, configuration management).
- Monitored system performance and logs using tools like Prometheus, Grafana, and other monitoring solutions.
- Applied security best practices, including patch management, vulnerability remediation, and compliance enforcement.
- Supported containerized applications within OpenShift, ensuring smooth integration with the infrastructure.

## Software Developer

### ***Early Education Business Consultants*** (2024)

- Architected and developed full-stack application processing large-scale CSV data sets utilizing REST APIs.
- Implemented automated payment tracking system that recovered thousands in missed revenue for 4 client companies through automated notification algorithms.
- Implemented real-time document monitoring system with automated notifications.
- Designed intuitive dashboard interface for data visualization and user alerts.
- Technologies used: JavaScript, Python, SvelteKit, Pocketbase, VBA, SQLite, HTML, CSS.

## Navigation Division Manager

### ***U.S. Navy*** (2017-2024)

- Administered Salesforce database for 300+ users, including security permissions, custom function development, and automated reporting systems.
- Led technical training programs for electronic navigation systems (COGENT) and Garmin radar platforms.
- Engineered mobile radar and electronic navigation training system, increasing training capacity by 500%.
- Developed custom Excel-based performance tracking system with dashboard integration.
- Managed decommissioning of naval vessel, coordinating with NAVSEA and technical contractors.

## Technical Project Manager

### ***U.S. Navy*** (2013-2017)

- Managed classified development projects in collaboration with NSA, FBI, and CIA.
- Developed and tested geo-location systems utilizing satellite communications.
- Identified and resolved critical MySQL database architectural issues.
- Conducted extensive field testing of hardware systems in extreme conditions.
- Coordinated cross-agency technical teams and stakeholder communications.

## Instructor | Quartermaster

***U.S. Navy*** (2003-2013)

- Master Training Specialist and Survival, Evasion, Resistance, and Escape instructor.
- Riverine Assault Boat operator.
- Specialized in maps, charts and oceanography.

## EDUCATION

- **B.S. Information Technology** - American Public University System (2020)
- **A.S. Web Publishing** - American Public University System (2017)

## OTHER CERTIFICATIONS

- Scientific Computing with Python (2024)
- JavaScript Algorithms and Data Structures (2019)
- Responsive Web Design (2018)