

# Patrick Walker

Solutions Architect

## EXPERIENCE

### *Solutions Architect*

Forward Slope, San Diego

November 2021 – December 2025

Devised, planned and executed migration of 121 Elastic Cloud Compute (EC2) resources between AWS cloud brokers · Drafted and managed 219 requirements in service of the project · Wrote 2000 lines of code to refactor or create Ansible playbooks to increase automation and eliminate manual actions necessary for deployment and maintenance · Decreased launch time of primary application from 2 days to 2 hours

Developed company's Terraform deployed, AWS Elastic Kubernetes Service (EKS) hosted software factory

Architected, deployed and maintained company's AWS multi-tenant, CUI authorized environment for product development, as infrastructure-as-code (IaC) · Maintained CMMC and NIST 800-171 compliance of environment via AWS Config automations and Security Control Policies (SCPs) · Planned and executed implementation of zero trust network access solution

Designed extract-transform-load (ETL) solution for centralizing and normalizing disparate financial data between company and four (4) sister companies into human-readable reports · Leveraged Microsoft BI, Data Factory and additional Azure resources in the creation and maintenance of this cloud-hosted product

Technical lead for Department of Navy (DON) logistical solution · Managed thirty (30) personnel (as both lead and scrum master) in the development and deployment of a Kubernetes platform-as-a-service (PaaS) product · Acquired five (5) Authority to Operate (ATO) awards

## CONTACT INFORMATION

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<https://walkerpr.github.io/portfolio/>

## SECURITY CLEARANCE

Top Secret

## CERTIFICATIONS

CompTIA

Security+

Scrum Alliance

Certified Scrum Master

## ACCOMPLISHMENTS

National University

Vice-Captain

Cyber Security Team

## EDUCATION

National University

Bachelor of Science (B.S.)

Cyber Security

## ***System Engineer***

C3 Networx, San Diego

February 2018 – November 2021

Engineered solution for migrating requirements, project management, knowledgebase, pipeline configuration, repository data and all historical information between on-premises VMWare infrastructure to AWS Gov Cloud DevOps environment · Developed SOPs for data migration and functionality and data integrity validation · Performed data migration between two active Navy DevOps environments with minimal downtime to customers

Administered software source code management, scanning, test, and automation tools for Navy SPAWAR project · Performed system and security administrator duties for thirty (30) Red Hat Enterprise Linux 6 and 7 (RHEL 6 & RHEL 7) virtual machine systems – ensuring RMF compliance via NIST 800-53 enforcement, Plan of Action and Milestones (POA&Ms), application installation, configuration and administration, Apache Tomcat and web server management, database administration (PostgreSQL and MySQL)

## ***System Administrator***

Apex Systems, San Diego

November 2017 – February 2018 (Contract)

Deployed Windows 10 operating system (OSD) on two hundred (200) United States Marine Windows end-user devices · Performed firmware configuration, image installation and post-imaging software and hardware administration

## ***Electronics Technician***

Federal Bureau of Investigation, San Diego

October 2016 - October 2017

Maintained on-site local-area-network (LAN) with copper and fiber cable installation and management · Performed patching and troubleshooting of local baseband systems · Monitored intrusion systems of field office and offsite facilities through the security management system interface · Composed training documentation · Installed dual-band simplex radio systems in vehicles

## **PROFESSIONAL SKILLS**

### **SOLUTIONS ARCHITECTURE**

**DevSecOps Adherent Design**

**System Architecture Design**

Visio | Draw.io

**ETL**

Power BI | AWS Glue

**Cloud Architecture**

AWS | Azure

**Infrastructure as Code**

Ansible | Terraform

**Automated Systems  
Management**

AWS Systems Manager | RedHat Satellite

**Containerized Solution  
Development**

Kubernetes | Rancher | AWS EKS  
OpenShift

**Model Based Systems  
Engineering**

CAMEO

### **SECURITY ENGINEERING**

**Operating System Security**

Red Hat Enterprise Linux 6 -9  
Windows Server 2016 -2025  
Amazon Linux

**Identity Management**

Atlassian Crowd | OpenLDAP | AWS IAM  
Active Directory | Entra ID

**Static Code Analysis**

SonarQube | Fortify | Checkmarx  
Atlassian Crucible

**Vulnerability Compliance  
Assessment**

Tenable SC | AWS SecurityHub  
OpenSCAP

**Security Incident and Event  
Management (SIEM)**

Splunk Enterprise Security

MILITARY

Satellite Communication Systems Operator (25S)  
Army National Guard, Los Alamitos

June 2013 – June 2025 | Veteran | Staff Sergeant (E6)

Installed, configured, troubleshot and performed preventative maintenance on electronic communication systems: mobile satellite (UHST, STT) and line of sight (LOS) communication systems · Programmed and routed encrypted transmissions · Reviewed technical manuals and documentation · Worked with a variety of radio communications electronics (including spectrum analyzers) to ensure mission success

Database Security  
PostgreSQL | MySQL | Microsoft SQL

SYSTEM ADMINISTRATION

Automated Software Development  
Jenkins | Tasktop Integration Hub  
Rational DOORS | GitLab CI

Code Management  
Atlassian Bitbucket | GitLab  
Apache Subversion | Sonatype Nexus  
Atlassian FishEye

Requirements Management  
Jama | Jira

Web Server  
Apache | Nginx

Collaboration Software  
Confluence | SharePoint

Support Ticketing Management  
Jira Service Desk