

# 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 | Red Hat 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 Security Hub  
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, troubleshooted 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

## WEB DEVELOPMENT

### Markup

HTML5

### Programming

JavaScript

### Style Sheets

CSS