Patrick Walker

Solutions Architect

CONTACT INFORMATION

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

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 via application of Department of Defense Instruction (DoDI) 8500.01 guidelines and NIST 800-37 controls for RMF compliance

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

WEB DEVELOPMENT

Markup
HTML5

Programming
JavaScript

Style Sheets
CSS