

# Patrick Walker

## Cloud Solutions Architect

### EXPERIENCE

#### Cloud Solutions Architect

*Forward Slope, San Diego*

November 2021 – December 2025

Devised, planned, and executed migration of one hundred and twenty-one (121) Elastic Cloud Compute (EC2) resources between AWS cloud brokers. · Drafted and managed two hundred and nineteen (219) requirements in service of the project. · Wrote two thousand (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 two (2) days to two (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.

### CONTACT INFORMATION

[walkerpatrickr@protonmail.com](mailto:walkerpatrickr@protonmail.com)

(530) 563 – 6115

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

### SECURITY CLEARANCE

Department of Defense

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

## Cloud Engineer

C3 Networx, San Diego

February 2018 – November 2021

Engineered solutions 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.

## Electronics Technician

Marine Spill Response Corporation, Los Angeles

May 2016 – Jun 2016 (Short-term Contract)

Executed preventative maintenance on maritime communication devices.

## PROFESSIONAL SKILLS

### Solutions Architecture

#### Security Standards

DoDI 8500.01 | CMMC  
NIST 800-53, 73, 171

#### ETL

Power BI | AWS Glue

#### Diagramming

Visio | Draw.io

#### System Automation

AWS Systems Manager  
Red Hat Satellite

#### Cloud Platforms

AWS | Azure

#### MBSE

No Magic CAMEO

#### IaC

Ansible | Terraform  
AWS CloudFormation

#### Virtualization

VMWare VM | AWS EC2 | Azure VM

### DevSecOps

#### DAST

Zed Attack Proxy | Burp Suite

#### Source Code Management

Bitbucket | GitLab  
Atlassian FishEye

#### Collaboration Tools

Atlassian Confluence  
Microsoft SharePoint

#### Requirements Management

Jama | Atlassian Jira | Rational DOORS

#### SAST

SonarQube | Fortify | Checkmarx

#### CI/CD

Jenkins  
Tasktop Integration Hub  
AWS CodePipeline

#### Artifact Repository

Sonatype Nexus  
JFrog Artifactory

## Electronics Technician

*MasTec Advanced Technologies, Orange County*

Apr 2016 – May 2016 (Short-Term Contract)

Installed and repaired AT&T electronic physical security equipment.

## Electronics Technician

*Verizon, Redondo Beach*

Nov 2015 – Feb 2016 (Short-term Contract)

Installed and repaired Verizon Fiber Optic (FiOS) equipment.

## System Administrator

*Allied Digital Services, Torrance*

Sep 2015 – Oct 2015 (Short-term contract)

Directed field technicians during the cutover of end-user and POS (Point of Sale) devices at 30 Lucky Brand Jeans stores.

## Marketing Manager

*Wowmax Media, Torrance*

Aug 2011 – Sep 2015

Composed and edited copy material. · Supplied advertisement documentation for marketing campaigns with the intent of tailoring them to appeal to targeted demographics. · Maintained rolodex databases of customers. · Managed correspondence with journalists, conference organizers, and businesses to advertise products.

## MILITARY

### Satellite Communication Systems Operator (25S)

*United States Army*

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

Installed, configured, troubleshoot, 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 to ensure mission success.

## Security Engineering

### Identity Management

OpenLDAP | Entra ID  
Atlassian Crowd  
AWS IAM

### Vulnerability Management

Tenable SC | AWS Inspector

### Security Management

Splunk Enterprise Security  
AWS SecurityHub

### Compliance Scanning

OpenSCAP

### Endpoint Security

Trellix  
Bitdefender

### Configuration Management

Puppet  
AWS Config

### Log Management

Elastic, Kibana & Logstash (ELK)  
AWS CloudWatch

## System Administration

### Web Server

Apache | Nginx

### Operating Systems

RHEL 6 | 7 | 8 | 9  
Microsoft Server 2016 | 2019 | 2025  
Amazon Linux 2 | 2023

### Container Platforms

Kubernetes | Rancher  
AWS EKS | OpenShift

### Support Ticketing

Atlassian Jira Service Desk

### Database Administration

PostgreSQL | MySQL  
Microsoft SQL  
AWS Aurora

## Web Development

### Markup

HTML5

### Programming

JavaScript