

Patrick Walker

Cloud Solutions Architect

EXPERIENCE

Cloud 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

CONTACT INFORMATION

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<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 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

Electronics Technician
Marine Spill Response Corporation, Los Angeles

May 2016 – Jun 2016 (Short-term Contract)

Executed preventative maintenance on 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 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