

SUMMARY

Certified cybersecurity software engineer with a developer's mindset and a defender's vigilance. I foster alignment across teams through clear communication and comprehensive documentation. I design secure, scalable cloud-native applications using GitHub, Kubernetes, and Azure that integrate DevSecOps principles, reduce operational risk, and cut technical debt. I specialize in Python, PowerShell, GenAI, authentication, encryption, and NIST compliance. In Fortune 500 environments, I modernized legacy systems, delivered award-winning cybersecurity solutions, increased cloud efficiency by 45%, and expanded data integration by 300%. My automation saved millions in engineering hours. I mentored developers and improved DevSecOps maturity. I seek architectural roles where I can build secure platforms and drive continuous improvement in systems, processes, and people in organizations that prioritize secure design, innovation, and mentoring.

SKILLS

Architecture & Design: Integration, Reference Architecture, Reference Design, Sparx Enterprise Architect, Archi

Authentication & Access Control: Microsoft Entra ID, Active Directory (AD/Group Policy, ADCS), Single Sign-On (SSO), PKI

Cloud & Virtualization: Microsoft Azure, Google Cloud Platform (GCP), VMware vSphere, Hyper-V, VirtualBox

Communication & Documentation: Technical Writing, Markdown, Draw.io

Cybersecurity & Compliance: Auditing, DFIR, Encryption & Key Management, SCC, Snyk, Tenable Nessus

Database & Systems: Azure SQL, RHEL, Ubuntu, Windows Desktop/Server, System Administration

Development & Scripting: Python, SQL, PowerShell

DevOps & Tools: CI/CD (Jenkins, GitHub/GitHub Copilot, Artifactory), Kubernetes, Docker, Rancher Desktop, Chef, WSL, Splunk, Checkmarx, Bruno, Confluence, Jira

Methodologies & Frameworks: SAFe Agile (including DevSecOps), NIST CSF & RMF (DAAPM, JSIG), POAMs, SCTM, STIGs

Networking & Analysis: Wireshark

EXPERIENCE

WALMART GLOBAL TECH

Remote

Developer Technical Lead/Staff Software Engineer, Information Security 2022-2025

Designed, developed, and documented architecture, design, process, operational instructions, and code for supply chain cybersecurity applications deployed in Kubernetes CI/CD pipeline. Ensured organizational technology and vulnerability compliance. Coordinated developer maintenance and training roadmaps. Interviewed, evaluated, and onboarded developer candidates. Reviewed and approved developer documents and code. Trained and mentored junior developers.

- Application Tech Stack: Azure SQL, Python, Spring Boot Java, and React.js (Electrode) on Kubernetes CI/CD pipeline.
- Implemented application build and deployment changes to increase application cloud efficiency by 45%.
- Designed and implemented backend changes to increase cybersecurity hygiene data source consumption by 300%.
- Consulted on Global Tech Academy Developer Bootcamp training content and delivery.
- Migrated traditional server-based backend application to run through Kubernetes cronjobs.

RAYTHEON TECHNOLOGIES

Remote

Cyber Solution Design Engineer with Honors/Principal Cyber Defense Technologist 2021-2022

Developed, evaluated, and automated cyber solution reference designs aligned with team reference architecture.

Coordinated integration, deployment, and sustainment on defense contract program information systems. Mentored System Administrators.

- Merged heritage business storage encryption implementations into company-wide best practice.
- Designed and deployed leadership-approved PowerApps enhanced SharePoint reference architecture/design repository.
- Consulted on hardened configuration management baselines for Windows 10 desktops/Windows Server 2019 servers.
- Enhanced and delivered quantitative business value reporting training.

RAYTHEON TECHNOLOGIES

Remote

Cyber Solution Design Architect with Honors/Principal Cyber Defense Technologist 2021

Developed and evaluated cyber solution reference architectures. Modernized aging defense contract program information system architectures to reduce technical debt. Established and applied technology standards, processes, and governance. Mentored Solution Design Engineers and System Administrators.

- Developed leadership-approved standard for publishing reference architecture artifacts.
- Developed Enterprise Data Protection solution reference architecture.
- Represented architecture team in enterprise change review board.
- Delivered standard role-based access control (RBAC) solution for managing access to Windows Event Logs.

RAYTHEON TECHNOLOGIES

Tewksbury, Massachusetts

Cyber Solutions Design Engineer with Honors/Principal Computer Systems Security Technologist 2017-2021

Developed, evaluated, and automated cyber solution reference designs aligned with team reference architecture. Coordinated deployment and sustainment on defense contract program information systems. Mentored System Administrators.

- Designed portable virtual system for delivering cyber defense tools to smaller networks.
- CIO Award for automated NIST RMF compliant hardening automation for Windows and Linux systems.

RAYTHEON TECHNOLOGIES

Tewksbury, Massachusetts

Technical Information Systems Security Manager/Principal Information Assurance Specialist 2016-2017

Co-led cross-business Security Working Group to ensure NIST Risk Management Framework (RMF) compliance on defense contract program information systems. Evaluated and selected security relevant designs, tools, configurations, and processes.

- Developed organization Security Control Traceability Matrix (SCTM) and Plan of Actions & Milestones (POAM).
- Delivered NIST RMF AC-2 compliant automation for disabling inactive user accounts.

RAYTHEON TECHNOLOGIES

Tewksbury, Massachusetts

DevOps Engineer with Honors/Senior Information Systems Technologist II 2013-2016

Designed secure, standard, automated Infrastructure as a Service (IaaS) solution for defense contract program information systems. Business contact for Microsoft incident escalation.

- CIO Award for VMware vRealize Automation for hybrid/private cloud deployment service.
- Developed managed platform deployment using VMware vSphere, Chef Software, Cobbler, and Microsoft MDT.

ADDITIONAL EXPERIENCE

RAYTHEON TECHNOLOGIES, Woburn, Massachusetts, **System Administrator with Honors/Senior Information Systems Technologist I**, 2007-2013, Standardized, secured, integrated, implemented, and maintained technologically diverse defense contract program information systems.

MARSH & MCLENNAN COMPANIES, Franklin, Massachusetts, **Windows System Administrator/Tier 3 Windows Server Operations Specialist**, 2007, Standardized and maintained Microsoft Windows Server centric data center. Maintained VBScript automation suite. Developed support documentation and training for Tier 1 & 2 Operations teams.

RAYTHEON TECHNOLOGIES, Woburn, Massachusetts, **System Administrator/Senior Information Systems Technologist I**, 2006-2007, Secured, implemented, and maintained technologically diverse defense contract program information systems. HEWLETT-PACKARD formerly COMPAQ COMPUTER CORPORATION/DIGITAL EQUIPMENT CORPORATION, **Various Roles**, 1996-2005:

- HEWLETT-PACKARD, Littleton, Massachusetts, **Senior Infrastructure Engineer/ITO Support Specialist V**, 2002-2005, Developed and implemented technical solutions from architectural requirements. Transitioned solution sustainment to operations team.
- COMPAQ COMPUTER CORPORATION, Littleton, Massachusetts, **Infrastructure Administrator/Technical Analyst III**, 1998-2002, Maintained Compaq's global core infrastructure services. Migrated infrastructure services to global data centers.
- DIGITAL EQUIPMENT CORPORATION, Littleton, Massachusetts, **Infrastructure Administrator/Technical Analyst II**, 1996-1998, Maintained Digital's Americas core infrastructure services. Resolved technical incidents.

EDUCATION

BENTLEY UNIVERSITY

Waltham, Massachusetts

B.S., Computer Information Systems (Summa Cum Laude)

CERTIFICATIONS

Certified Cloud Security Professional (CCSP) , ISC2	2024
GIAC Certified Enterprise Defender (GCED) , SANS Global Information Assurance Certification	2022
Scaled Agile Framework Practitioner (SP) , Scaled Agile Framework (SAFe)	2020
DoD Secret Clearance (Expired/Inactive)	2015-2022
Certified Information Systems Security Professional (CISSP) , ISC2	2015
DoD Top Secret Clearance (Expired/Inactive)	2008-2015
DoD Secret Clearance (Expired/Inactive)	2006-2008

PROFESSIONAL DEVELOPMENT

Engineering the Digital Transformation (EDT): White Belt Certification	2024
Advanced System Design: Architecting	2024
Lead 4 Success	2024
SparkAssessor – Interviewer Readiness	2024
SparkTech Summit	2023
Walmart Cloud Native Platform (WCNP) Deep Dive	2023
Developer Bootcamp	2023
Concord (Walmart Continuous Deliver Server) Deep-Dive	2022
Looper (Walmart Continuous Integration Server) Deep-Dive	2022
Advanced Git	2022
Microsoft Azure Administrator (AZ-104)	2022
SANS Advanced Security Essentials-Enterprise Defender (SEC501)	2021
Sparx Enterprise Architect Archimate	2021
Ansible Fundamentals	2021
Advanced Automated Administration with Windows PowerShell	2021
DevSecOps Fundamentals	2020
Scaled Agile Framework (SAFe) for Teams Practitioner	2020
Architecting Methods Light	2020

HONORS & AWARDS

Walmart Global Tech	Engineering Excellence Award	2024
Walmart Global Tech	InfoSec Digital Disruption Award	2024
Walmart Global Tech	InfoSec Genesis Award	2024
Walmart Global Tech	Making A Difference: Bravo Award	2022
Raytheon Technologies	Key Management Solutions	2021
Raytheon Technologies	Solutions Catalog Standup	2021
Raytheon Technologies	Vulnerability Scanning Tool Evaluation	2020
Raytheon Technologies	Data at Rest Encryption Guides	2020
Raytheon Technologies	RapidRMF Reference Architecture Delivery	2019
Raytheon Technologies	IDS CIO Award: IDS Cyber Compliance	2019
Raytheon Technologies	IDS Technical Honors Program Award	2018
Raytheon Technologies	IDS CIO Award: Program Resource Center Self-Service Proof of Concept	2017
Raytheon Technologies	RMF Overview to IDS IT Program Execution Team	2016
Raytheon Technologies	DAAPM Project Team: Leading Enterprise RMF Rollout	2016
Raytheon Technologies	IDS CIO Award: Defense Contract Program Work Environment Team	2014
Raytheon Technologies	Proposal Development Center Implementation and Sustainment Team	2013
Raytheon Technologies	IDS Technical Honors Program Award	2012
Raytheon Technologies	IDS Technical Honors Program Award	2009