Kevin Homan

Staff Solutions Architect

👤 Profile

Passionate engineer with a focus on the cloud, and guiding my customers in implementing well architected solutions with a focus on security and cost. Experienced in working with customers implementing Cloud and DevOps solutions for the first time and understands intimately how to guide them through that journey.

💼 Employment History

Staff Solutions Architect at Northrop Grumman, McLean, VA

October 2019 — Present

Solutions Architect supporting Northrop's internal cloud solutions team. We support internal Northrop Grumman customers in their R&D, proof of concept and direct contract work. Kevin supports all these activities as well as providing his technical knowledge and expertise on various proposal efforts on cloud solutions in an effort to help Northrop win new business.

Cloud Solutions and Services Group

- Currently supporting four proposal/capture efforts as both a technical lead (on two) and solutions architect (on two). These efforts are worth $1.15B in new business revenue for Northrop and all four efforts are classified as key new opportunities, with capture status being reported all the way up to the Sector level of Northrop Grumman.
- Cloud Solutions Architect on the Defense Solutions ISS Civil and Health Business Unit. Kevin is one of seven architects that advise the Civil and Health BU President on strategy and capture. Additionally this group supports IRAD, proof of concept and other activities that will drive adoption of new technologies and services across our organization.
- Drafted a Systems Security Plan (SSP) in accordance with NIST 800-171 compliance for the CSSG AWS environment. This document is being used to self-certify the CSSG environment as compliant, with future road-map goals to obtain a third-party certification.
- Automated the build of CSSG Linux machine images using AWS' EC2 Image Builder. By doing so, Kevin saved CSSG administrators of roughly four hours of manual work for an automated process that builds, secures to a DISA STIG medium level and deploys CSSM AMI's to all managed accounts.
- Guide new CSSG customers through the on-boarding process, gather their requirements and turn it into a solution and estimate their monthly/yearly costs for them. Kevin's work in guiding his customers in this process has earned him kudos at the Division and Business Unit level for his work in helping meet tight deadlines in which the work was critical in creating new business for Northrop, or growing existing work through proof of concept demonstrations.
- Mentor junior engineers and interns, additionally Kevin also supports AWS certification cohorts

Sr. Principle Cyber Systems Engineer at Northrop-Grumman, Fairfax, VA

March 2017 — October 2019

Cyber Systems Engineer supporting multiple cyber-security related contracts for US Government agencies, internal Northrop development projects as well as provided AWS/cloud expertise on proposal capture efforts

Software Center of Excellence

- Support outreach efforts within the enterprise to teach about current software, and DevOps best practices across Northrop
- Supporting an R&D effort to provide our customers a secured container environment that is accredited that will give development teams the ability to get ATO of their applications within a day.
- Provide training across the Northrop Grumman enterprise on various software development and DevOps topics

DevOps Engineer/Solutions Architect

- Direct support on a program supporting a mixed Python and NodeJS development team as well as advocating for enterprise efforts that were filtered down to application teams
- Maintained infrastructure using CloudFormation for builds, and updates
- Built out pipeline based CI builds for supported applications and underlying infrastructure using Jenkins

CDM Configuration and Release Manager

- Configuration and release manager for CDM program supporting DHS and other agencies. Coordinated efforts between development team, test team and on-site engineers on product updates. Managed release review meetings, approved software releases and packaged releases up for site engineering teams for on-site deployment.
- Supported capture effort of CDM Phase 3 work by building out lab infrastructure for demo and evaluation efforts of technology proposed to be used on Phase 3

Sr. Systems Administrator (DevOps) at REI Systems, Sterling, VA

January 2016 — March 2017

Lead System Administrator supporting Business Unit application development and developers supporting multiple federal and municipality level government customers.

- Direct support to application development teams administering underlying infrastructure, support application teams in troubleshooting, outages and application deployment needs
- Consistently reviewed and evaluated infrastructure and technologies ensuring we provided our customers with best in class solutions
- Advocated for the adoption of new technologies that would benefit both development teams and our customers
- Supported multiple proposal efforts

Solutions Lead - Software Engineering at Navstar Inc., Reston, VA

January 2013 — October 2014

Technical lead and manager for software engineering at Navstar. Reported directly to the Vice President of Operations providing support to both Navstar executives, and managing the software development team. Supported proposal efforts, including Navstar's first ever win of a prime contract; oversaw a portfolio of Navstar contracts, and acted as Navstar's point of contact to customers for kudos, and any issues that needed to be addressed on contracts I oversaw. Performed annual performance reviews and goal setting and advocated for requested training and continuing education for my employees.

Lead Linux Engineer at Navstar Inc., Reston, VA

August 2012 — December 2014

Lead engineer managing a team of Linux administrators/engineers supporting a US Government customer. Maintained existing Linux enterprise, and worked closely with engineers and administrators from other teams such as storage, networking and Windows. Developed a road map towards additional operation with Linux team to present to management. Additionally managed, and acted as technical support for a small and specialized compute enclave for a select user base which was presented a Meritorious Unit Citation for all involved.

Systems Engineer at SAIC, McLean, VA

August 2008 — August 2012

Systems Engineer in support of multiple US Government contracts from networking and video display recapitalization, engineering support to a Project Management Office and integration lead on a first of its kind high performance compute environment for our customer which was awarded a best in show award at the 2011 DoDIIS Worldwide Conference.

Information Assurance Analyst at EmeSec Inc., Reston, VA

August 2006 — August 2008

Provided NIST and FISMA procedural and policy guidance to US Government customers such as Veterans Affairs and the US Forrest Service. Drafted procedure documents in accordance with NIST 800-53 standards, and briefed agency staff such as CISOs and ISSMs on the implementation of these procedures.

♦ Education

Masters of Science - Systems Engineering, George Washington University, Washington, DC

October 2009 — July 2012

Bachelor of Science - Information Science and Technology, The Pennsylvania State University, State College, PA

May 2019 — May 2019

🎓 Courses

AWS Certified Solutions Architect - Professional, Amazon Web Services
June 2018 — June 2021

AWS Certified DevOps Engineer - Professional, Amazon Web Service
October 2019 — October 2022

AWS Certified Security - Specialty, Amazon Web Services
March 2020 — March 2023

Project Management Professoinal, Project Management Institute
July 2013 — July 2023