Nathan Kielman

Aruba United States Navy West Territory Manager

Nathan Kielman was born in Indianapolis, IN in July of 1977. He attended High School at William P Clements in Sugar Land, TX. From 1996-2001, he attended Texas A&M University, where he earned a Bachelors of Science in Aerospace Engineering with a minor in Mathematics. Nathan began work for the US NAVY at the Naval Air Warfare Center, Weapons Division in China Lake, CA on the 27th of July 2001 as a member of the Solid Propulsion Branch. He was accepted into the Engineering Scientist Development Program (ESDP), taking assignments with the Energetic Material Processing Branch, Trident Weapon Program Office's Test Group and Air Breathing Propulsion Branch in addition to work in the Solid Propulsion branch. Nathan graduated from the ESDP process in January of 2007. His professional technical career began in May of 2002 when he became the Test Lead for the Higher Speed Anti-radiation Demonstrator (HSAD) Joint Capabilities Technology Demonstration (JCTD) program. The HSAD program concentrated on developing and flight testing an integral rocket ramjet propulsion system for the High Speed Anti-radiation Missile (HARM). In October of 2005, Nathan became a member of the Weapons Engagement Office (WEO), working on integration and test efforts geared towards digitally reducing the time line of the kill chain focusing on software integration and interfaces. From January 2006 through July 2007 Nathan was the Technical Lead and deputy System Engineer for the Joint Awareness Vital Enhancements Link Enabled Network (JAVELIN) program; providing the United States European Command (USEUCOM) European Plans and Operation Center (EPOC) a beyond line of sight digital communication and data transfer system to support Special Operations imagery transfer to from the field to headquarters. In March of 2007, Nathan began work with the Digital Precision Strike Suite (DPSS) team as the System Engineer. The DPSS team provides and enables the disadvantaged (light) operators to derive precision coordinates for mission planning, targeting, Joint Close Air Support (JCAS), and Time Sensitive Targets (TST)/ Time Critical Targets (TCT). Throughout his time with the DPSS team, roughly 45 software applications were developed by a team that grew from 7 to approximately 60. Work on mobile devices and applications was started in 2006 with the Palm Pilot and early Windows CE based hardware. A number of applications in the mobile operating systems were developed and have been fielded by the DPSS team to multiple DoD services, ranging from Windows CE, iOS, and eventually to Android. In May 2016, Nathan began work on assembling the Tactical Mobility and Wireless Integration Lab (TMWIL); a team of NAWCWD engineers focused on exploiting commercial technologies, timelines and capabilities in order to deliver the tactical warfighter with an integrated mobility solution that is cyber secure. In late 2017, Nathan led the Tactical Mobility team through the design, development and deployment of an NSA Commercial Solutions for Classified (CSfC) Secure Campus Wireless Local Area Network (SCWLAN), deploying classified WiFI across NAWCWD. In October 2018 Nathan became the Tactical Mobility IPT Chief Engineer, working to provide secure mobile computing solutions that are fully integrated into US Navy embedded systems, such as the F/A-18, H-60 and other

aircraft via embedded wireless. Successful proof of concept flight tests in the F/A-18 aircraft in DEC16 and MH-60S aircraft in DEC17, led to Nathan and the Multilayered Obstructed Brokered (MOB) Hub team to being recognized with the NAVAIR Commanders Award for Innovation in MAR18. The MOB Hub and associated mobile computing applications have transitioned into a USN Program of Record under NAVAIRs Advanced Tactical Aircraft Protection Systems Program Office (PMA-272) as part of the Countermeasure Dispenser System (ALE-47) integrating into over 30 type model series within the USN and DoD. The MOB hub enabled ALE-47 will enter service life in late FY23, allowing for rapid integration of technologies into multiple aviation platforms. After departing government service and China Lake in December 2021, Nathan started his post government service career with Aruba Networks, a Hewlett Packard Enterprise company as a Territory Manager supporting the US Navy western region, where he currently continues to expand his support of the Navy warfighter mission set.