Aaron Jacobs Bio

As a Lead System Security Engineer with the U.S. Navy with more than 20 years of experience in Information Technology and Security Engineering, I strive to ensure that our warfighter capabilities are faster, cheaper, and completely secure. I am a technical authority and expert in developing security designs and requirements for all NAVAIR Programs. This includes missiles, UAVs, and Fighter Jets. I greatly enjoy tackling exciting challenges around building trustworthy warfighter capabilities where confidentiality, integrity, and accessibility are at the forefront of trade space.

My goal is to ensure that all NAVAIR platforms, systems, and equipment fully participate in the development of security requirements and technical processes to achieve affordable cyber resiliency. I plan to continue focusing on the challenges of building our platform, infrastructure, and operational security practices. I intend to develop them to where they can address a rapidly changing threat landscape, regulations, and governance.

I am genuinely passionate about motivating others to exceed their potential. In my current role, I have had the opportunity to train and mentor other System Security Engineers to become subject matter experts. My experiences in mentorship on the job led me to serve as an Adjunct Professor at Southern New Hampshire University Technology where I teach courses in Information Technology and Cyber Security.

A few of my proudest accomplishments in my role include cultivating secure hardware and software capabilities for the Navy, developing laboratory technologies and techniques for Trojan detection, and creating secure, cyber-resilient data storage devices that proved more cost-effective than a commercial solution. Additionally, I recently developed new technology to support supply chain risk management by using Blockchain Technology.

I earned my B.S. in Information Science from the University of Pittsburgh, and my M.S. in Software Engineering from Pennsylvania State University. In 2016, I received my Level III DAWIA Engineering Certification. Currently, I am pursuing my doctorate in Information Assurance in Cybersecurity with a concentration in cyber threats to autonomous vehicles.