KEVIN T. REVIS

Principal Systems Engineer | Systems Security

SECURITY ARCHITECTURE | THREATS & VULNERABILITIES | CRYPTOGRAPHY | AGILE METHODS

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EXPERIENCE

12/2020 – present

Systems Security Engineer & Criticality Analysis Lead
Northrop Grumman | Space Systems

· Lead the effort to identify critical hardware, software, and firmware technologies with a high risk of malicious exploitation by partnering with government customers and coordinating with internal stakeholders, including technical subject matter experts.
· Use threat and vulnerability data to develop risk mitigation strategies to protect identified critical technologies against both physical and cyber attacks.
· Work closely with procurement and supply chain risk management (SCRM) specialists to ensure an efficient, yet secure, method of technology acquisition.
· Co-led the effort of standing up a Jira environment to implement the Scrum framework across the program to better report metrics, cost, and scheduling.

Technologies used: JIRA CONFLUENCE CRYPTOGRAPHY SYSTEMS ANALYSIS EXCEL

07/2018 – 11/2020

Systems Security Engineer
Raytheon Technologies | Missiles & Defense

· Designed system-level security architecture solutions for embedded systems to prevent reverse engineering on DoD programs.
· Evaluated the cybersecurity posture of embedded systems in accordance with SP 800-37, SP 800-53, and CNSSI 1253.
· Conducted trade studies to optimize system performance, identify issues, and formulate solutions to problems.
· Achieved Raytheon Six Sigma specialist status by improving the process flow of DoD analyses, saving thousands in engineering costs.

Technologies used: AZURE DEVOPS EMBEDDED CRYPTOGRAPHY SECURE BOOT C# EXCEL

10/2017 – 06/2018

EMC Test Engineer
Cisco | Contractor

· Reviewed test plans, compliance with World Wide requirements, and adherence to safety policies during testing.
· Configured Cisco routers, switches, and other networking devices to the appropriate test settings.
· Performed confidence checks, tested products based on Cisco EMC/EMI test procedures, and monitored equipment.

Technologies used: WINDOWS TERMINAL LINUX SWITCHES ROUTERS OSCILLOSCOPES

03/2016 – 10/2017

Security Test Engineer
Aegisolve, Inc.

· Oversaw cybersecurity projects and functioned as a technical contact for clients requiring federal certifications.
· Executed operational testing and code reviews, while verifying test scopes in accordance with FIPS 140-2 standards.
· Trained technicians in cryptography, testing, cybersecurity, and creating security policies and testing manuals.
· Example of a publicly available security policy that I wrote ⚘

Technologies used: C++ PYTHON LINUX WIRESHARK CRYPTOGRAPHY

EDUCATION & TRAINING

M. Sc. Electrical & Computer Engineering
2021 - present | Purdue University ⚘

B. Sc. Electrical Engineering
2015 | San Jose State University ⚘

SKILLS, TOOLS, & PLATFORMS

Linux   ●●●○○
Jira   ●●●●○
C++   ●●○○○
Python ●●○○○
Nmap   ●●●○○

PROUD OF

🖥 **Hacker @ HackTheBox.com** ⚘
Achieved rank of Hacker by successfully using penetration testing techniques to own both Linux and Windows machines.

🚠 **Search & Rescue** ⚘
Trained with the Southern Arizona Rescue Association to assist with search and rescue operations in the Sonoran Desert.

⚗ **Research @ Stanford University** ⚘
Undergraduate research internship where I operated microfluidic devices, high-speed imaging, and used microscopy to examine the properties of aqueous foams.