Zechariah Hand

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EXPERIENCE

SENIOR PRINCIPAL SYSTEMS SECURITY ENGINEER

New York, NY
04/2016 – present

- Develop creative improvements to security system capabilities
- Identify trends and root cause of declared security incidents and provide lessons learned reporting to close the feedback loop
- Develop automation scripts to handle and track incidents
- Provide advanced level Security solutions support for the resolution of security packages' system faults
- Assist with all security technologies and services, including protection services, perimeter defenses, and physical and logical access control
- Create new ways to solve existing production security issues
- Improve security infrastructure and reporting

SENIOR SYSTEMS SECURITY ENGINEER

New York, NY
06/2012 – 10/2015

- Strong and well-rounded background in host and application security
- Designs of configuration management tools
- Working knowledge of network protocols such as DNS, LDAP, DHCP, NFS, Kerberos, etc
- Proficient in at least two of Python, C, Perl, or ksh (Python and C are the primary languages employed in our team)
- Familiarity with software engineering tools (version control, deployment tools, etc.)
- Advising program management on matters related to certification and accreditation
- Leading technical interchange meetings to address/resolve IA/CS issues

SYSTEMS SECURITY ENGINEER

Boston, MA
03/2006 – 05/2012

- Monitor metrics and make recommendations to improve performance of environment, tools and teams
- Perform adhoc internal and external network and application penetration testing using a variety of methods, tools, and techniques
- Develop and communicate vision for system improvements then realize vision through planning, leadership, and execution
- Establish and maintain cooperative working relationships
- Conduct investigations of security violations and breaches, provide reports and analyses, provide recommended solutions and participate in incident handling
- Works under minimal supervision. Normally receives no instruction on routine work, general instructions on new assignments
- Working with project managers across the organization

EDUCATION

MICHIGAN STATE UNIVERSITY

Bachelor's Degree in Computer Science

SKILLS

- Knowledge of security related applications, (e.g., DRM, e/m-commerce or specific knowledge of mobile security
- Strong working knowledge of Linux system administration, engineering and architecture, CentOS ver
- Good knowledge of ALM tools and how they can effectively support and enhance secure software development practices
- 4+ years' experience in a high-availability 24x7x365 environment with highly structured change management
- Strong communication skills, attention to detail, and being a self-starter
- Be reliable, self-starter, confident & articulate, and capable of working on own initiative and/or as part of a medium sized team
- Strong interpersonal skills with the ability to interact positively with coworkers, suppliers, management, and customers in a team environment
- You have a solid understanding of automated patch management, system hardening, assessing and prioritizing risk
- Broad understanding of technology and working knowledge of DODI-S-5230.28 desired
- Have excellent customer-facing, inter-personal and communication skills