Security Architect Security Architect Security Architect - Toyota Financial Services Rockwall, TX

Highly analytical, result oriented professional with extensive IT and cybersecurity experience in risk management, vulnerability & threat management, software development & application security, security architecture, business & systems analysis, and technical project management. Exhibits a commitment to excellence and a passion for efficient process design and automation. Consistently achieves set goals and objectives, often exceeding what is required. Has demonstrated experience in making logical decisions under pressure, multi-tasking, and setting/shifting priorities as necessary to ensure success. Contains a continual passion for secure code, code quality, process improvement, self-development, and resolving issues with a strong sense of quality and excellence.

Skills/Experience Cyber/Information Security: DITSCAP/DIACAP, PCI-DSS, HIPAA, NIST, ISO 27000/31000, OWASP, Nessus, QualysGuard, BlackDuck, XRay, Veracode, SonarQube, AlertLogic, AlienVault USM, Wireshark, Nmap, unicorn scan, Snort IDS/IPS, OSINT, Burp, ZAP, Kismet, Aircrack-ng, FTK & FTK Imager, Autopsy, RedLock, TwistLock   Scripting & Development Languages: VB.Net, VB, C#, C/C++, Python, Bash, VBScript, WMI, HTML, T-SQL   Applications: Microsoft Visual Studio/Code, ServiceNow, HP Quality Center, SimCAD Pro Authorized to work in the US for any employer Work Experience Security Architect Toyota Financial Services April 2018 to Present   Security Architect for $9.4B global financial organization   Serve as Information Security representative for the Technology Decision Board   Perform daily firewall security change request reviews   Information Security Lead of new to market financial service offerings and emerging technologies   Develop AWS security technical implementation guide and secure coding practices   Advise on AWS security design and controls   Provide guidance to application, DevOps, and API development teams on security best practices and required security controls   Responsible for security architecture spanning across multiple technologies including cloud, secure application development, emerging technologies, and on-premises solutions   Development of security patterns for emerging technologies and conceptual solutions   Responsible for providing security guidance to IT organization, identifying and prioritizing security controls while implementing secure by default design   Responsible for analyzing, advising, planning, and designing IT security controls ensuring

compliance with multiple statutory & regulatory requirements, security frameworks, and enforce organizational policies and standards   Conduct vulnerability scans and application code scans using a variety of security tools including Qualys, Veracode, BlackDuck, XRay, and SonarQube   Develop automation scripts with python.   Manage multiple initiatives with continual shifting priorities

Senior Security Specialist PwC/MBO - Plano, TX November 2017 to April 2018   Security consultant for Fortune 50 company, reporting to Director of Information Security   Remediate information security audit findings   Develop long-term strategies to improve the security program and risk posture of PepsiCo Senior Cybersecurity Analyst GM Financial - Arlington, TX February 2016 to November 2017   Internal Cybersecurity Risk lead for $9B global financial organization   Developed global internal risk framework based on ISO standard and NIST framework   Implementation of global GRC solution, improving the risk management process and optimizing metric capabilities   Developed customized risk exception process improving the visibility of risk across the organization   Designed bi-directional solutions between Archer & ServiceNow supporting strategic/tactical risk   Gather system and network information by performing ad-hoc scans using multiple tools including Qualys API, nmap, unicornscan and other open source tooling as required.   Develop automation scripts with python. Senior Security Analyst Excentus Corp - Dallas, TX November 2014 to February 2016   Conduct vulnerability/threat assessments on PCI environment   Replicate vulnerability exploits to validate findings; perform automated/manual penetration testing   Conduct monthly/quarterly audits of firewall, IDS, and WAF configurations and rules   Performed daily management of security appliances (IDS/IPS, SIEM, WAF, Firewalls)   Implemented new security solutions; QualysGuard and AlienVault USM   Led SDLC and provide consulting to software development team on secure coding practices and training IT Security Business Analyst Thor Group - Corning, NY May 2014 to November 2014   Developed and designed technical specifications of enterprise security solutions   Led information security quality excellence program   Develop technical specifications and design in the implementation and integration of information security projects (infrastructure and software)   Perform requirements analysis of proposed solutions ensuring alignment with corporate architecture roadmap and compliance with statutory and

regulatory requirements   Perform vendor scoring and solution selection processes of security products from third-party vendors   Served as an internal consultant to application development teams providing secure build and configuration standards and evaluating compliance of software solutions   Develop security use/misuse cases and test scripts for assigned projects Business Analyst, Envisage Information Systems TIAA-CREF - Ithaca, NY February 2013 to May 2014 Designed and maintained custom application testing tools for 401k applications and investment exchange protocol servicing TIAA-CREF   Develop technical specifications from business requirements for the development of software which supported personal retirement (401k) investments   Analyze and diagnose software defects for root cause, develop and administer test cases in compliance with business process and legal requirements   Interface with client project teams to develop user stories and use cases driving business requirements   Developed a macro enabled spreadsheet in MS Excel for managing and tracking data feeds as well as troubleshooting and validating these feeds with variable data structures and length   Performed data analysis and data manipulation using SQL and MS Excel Business Analyst, Computer Task Group Corning Inc - Corning, NY June 2011 to February 2013   Responsible for requirements analysis and system design of four business verticals including Information Security, Corporate Quality, Aviation, and Business Services   Develop technical requirements for custom software applications   Used formal SDLC processes to develop and document requirements, functional designs, and testing procedures and scripts   Project Lead in the design of an application in C# with an Oracle SQL backend that enabled system compliance tracking across multiple disparate systems   Analyzed, diagnosed, designed, and modified existing business web applications   Developed, executed, and administered test scripts through HP Quality Center   Provided application enhancements to the custom corporate quality web solutions   Project Lead in the customization and delivery of an internally developed corporate quality web application to Dartmouth College Project Engineer Manager Innovation Associates - Johnson City, NY March 2003 to May 2011   Developed automation solutions supporting Fortune 500 organizations and DoD   Led the Certification and Accreditation process for DoD systems (DITSCAP/DIACAP/RMF)   Authored security policies and

procedures for USAF systems ensuring DoD security compliance   Successfully responded to Request for Proposal (RFPs) and customer inquiries regarding security and IT architecture   Application development and automation design for high-transactional systems   Completed source code migration of 2.1+ million lines of code from MKS Integrity to Microsoft TFS   Developed/Managed capital projects averaging between $1-$25 million per project Server Software QA Co-op - Vestal, NY October 2007 to September 2008 Vestal, NY 10/2007 - 09/2008   Conduct software quality and regression testing for DoD flight simulation software   Server build and configuration for high-availability/distributed flight simulation systems   Reported and escalated bugs for geospatial simulations using open source tools   Performed user acceptance test procedures of simulation software using client provided acceptance test criteria   Conducted stress tests against various hardware and software configurations   Developed test procedures and tooling to automate the testing process Tactical Air Control Party (TACP) United States Air Force (Active Duty) - Colorado Springs, CO August 1997 to August 2000   Advise Army Commanders on aircraft munitions and capabilities   Advise and control fixed/rotary aircraft in the delivery of ordnance in close proximity of infantry personnel Education Doctor of Computer Science in Information Assurance Colorado Technical University - Colorado Springs, CO Master of Science in Information Security in Information Security Lewis University - Romeoville, IL Bachelor of Science in Computer Information Systems in Computer Information Systems Florida Institute of Technology - Melbourne, FL Skills Cyber Security, Information Security, Nist, Linux, Network Security, Python, Leadership, Risk Management, QualysGuard, QualysGuard API, Security Architecture, Metasploit, Application Security Links http://www.linkedin.com/in/bruceyarbrough Military Service Branch: United States Air Force Rank: e3 Certifications/Licenses CISSP CSSLP OSWP CRISC ACE ITIL v3

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