JA

Joseph V. Arato

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Experience

Meta, Data Center Information Security Engineer February 2019 – Current

Design and build internal and open source security products, tools, architectures and automations to support scale and reduce risk for Metas data center infrastructure. As a founding member of the data center security team and senior engineer I supported the creation of the strategic functions and vision for the team in partnership with senior leadership and core cross functional partners. Drove the creation of the teams functional operations model, Including a holistic approach to security from site design through software development. Scaled the team to 800% growth through a mix of FTEs and contingent workers. Developed onboarding and training materials used in tandem with direct mentoring to integrate new team members quickly and drive operational excellence. Supported and empowered the team to design and iterate on strategy and business direction.

OCP, DCF OT Security Sub Project Lead   February 2021 – Current

Boot strapped an OCP sub-project with Google, Microsoft, Schneider Electric, Johnson Controls, ISA, ASIS, GSA, OPC-UA & others to develop standards for Operation Technology (Industrial Control Systems) security. Defined workstreams for physical security, logging and monitoring and network communications. Helped establish leadership and working groups for each workstream while also finding and supporting opportunities for the workstreams to speak at major conferences to help evangelize their work and drive adoption.

Berkshire Hathaway Media Group, Director Information Security   Oct 2018 – February 2019

Built the company's first information security program, starting with no resources or existing SMEs in the space. Drove alignment across the executive stack to establish an acceptable risk appetite, define legal and regulatory challenges and develop an aligned action plan to develop the company's chosen information security posture. Helped to unify 5 previously separate companies infrastructure into a single cohesive backend with an in progress execution plan to go from next to no inplace logical security to meeting the CIS 20 controls.

Transtar Industries, Network Engineer   June 2011 - Oct 2018

Employed to help restructure corporate IT Infrastructure supporting 10 subsidiaries spread across 98 sites in 45 states, three countries and 2500+ users. As part of the new architecture, the primary data center has been fully rebuilt with a heavy emphasis on building a secure, highly available and scalable infrastructure utilizing a mixture of Private and Public Clouds. A disaster recovery site was implemented in phases starting as a cold site and working up to a warm / hot site. Worked to ensure the culture of IT was one where security was part of the conversation from the start of every project rather than an afterthought or solely for compliance purposes.

Contract to the FAA, Systems Administrator   February 2010 – June 2011

Supported various hosted systems, with primary responsibilities including auditing system compliance against DISA hardening standards and Auditing permissions of various systems

including Active Directory, and file shares. Conduct regular checks of security logs for roughly 500 servers looking for possible system breaches.

Blue Ant Security, Co-Founder   August 2009 – April 2011

Founder, responsible for Accounting, Marketing, and Sales as well as Penetration Tests and Reporting.

Oklahoma City University, Computer Services Coordinator September 2001 – February 2010

Originally hired as a part time student worker and eventually promoted to run the Staff and Faculty Helpdesk as a full time position. Responsible for management of roughly 1200 staff and faculty systems and three student employees.

Education & Certifications

UT Austin, Post Graduate Certificate in AI and Machine Learning - Targeted Completion Dec 2022

Oklahoma City University, Bachelors of Computer Information Systems - Completed May 2005

Oklahoma City University, Master of Business Administration in Finance - Completed August 2007

Nimble Storage Install and Operate - Completed August 2013

Offensive Security, OSCP - Renewed December 2013

LogRhythm Certified Professional - Completed September 2015

Palo Alto Networks ACE - Completed November 2015

Nexpose Certified Administrator- Completed February 2016

Skills

RIsk Assessments, Threat Models, Incident Response, software development, automation,

Vulnerability Management, Experience with major penetration testing tools and frameworks.

Building industry coalitions to establish standards and drive adoption of those standards

Knowledge of network protocols and management

Community Involvement

Member and speaker of the Oklahoma City 2600

Founding member of the 405 VRT

Assistant Instructor in multiple exploitation classes for ISSA and other private groups.

Previous Speaker at ISSA Information Warfare Summit