

## Profile

Goal-oriented technical leader with a strong ability to solve difficult problems utilizing a robust development and engineering skillset. Over 20 years of proven experience with multiple technologies and programming languages. Excellent leadership, communication, time, and project management skills. Highly effective mentor. Proven performance record with Fortune 100 companies.

## Skills Summary

Programming Languages: C++, Golang, Java, Python, Perl

Operating Systems: RedHat Enterprise Linux 5/6/7, Solaris, AIX, MacOS

CI/CD & Deployment Tools: Jenkins, Chef, Ansible, Artifactory

Container Platforms: Kubernetes, OpenShift, Docker

Networking: Cisco, Netgear

Firewalls: Cisco PIX, Checkpoint, Palo Alto

## Experience

### ***Engineering Manager – Unix and MacOS Security Engineering***

*Citigroup, Inc. - February 2020 - Present*

- Working Technical Manager role supporting Unix, Linux, and MacOS security technologies.
- Managed a global team of 8 engineers.
- Developed Cyber Security Framework for Citi's Unix/Linux and MacOS systems based on CIS benchmarks and internal IS standards.
- Oversaw design and implementation of privilege escalation tools.
- Implemented Signed SSH Key authentication solution using HashiCorp Vault and OpenSSH.
- Created Cyber Security Framework Chef cookbook, which enforced standards and automatically remediated drift.
- Designed and implemented secure OS hardening on RHEL, AIX and Solaris.
- Developed Security Model for Linux Developer Desktops.
- Created pipeline for automated building of CrowdStrike EDR container images for use with Citi's OpenShift infrastructure.
- Created chef cookbooks for various Security tools; Tanium, CrowdStrike, Encase, Qualys, and Powerbroker, etc.

Joe Fialkowski

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## **Engineering Team Lead – Hybrid Cloud Security**

*Citigroup, Inc. – February 2019 – February 2020*

- Lead Engineer supporting hybrid cloud security technologies
- Certified HashiCorp vault for management of Secrets and Certificates for on-prem and off-prem clouds.
- Developed Go applications to allow containers to fetch secrets and certificates from HashiCorp Vault.
- Wrote telemetry testing application and performed telemetry testing of various secrets management solutions to evaluate performance of the solutions using real world test scenarios.
- Troubleshoot and eliminated performance issues running Citi applications in containers
- Core developer of custom OpenShift program that allowed registration of containers into a centralized inventory upon instantiation.
- Developed and mentored team members. Provided guidance on certification process for Palo Alto Virtual Firewalls and Prisma Public Cloud.
- Team liaison for Information Security and multiple businesses leveraging cryptology in cloud-based environments.

## **Engineering Team Lead – Data Protection & Crypto Engineering**

*Citigroup, Inc. – March 2018 - February 2019*

- Managed staff that supported several cryptology technologies such as HSM's and PKI Infrastructure.
- Developed tools in Python and Java to interface with Citi's Ionic encryption infrastructure and secrets management gateways
- Set Goals and Roadmaps for the team
- Managed performance reviews and team projects

## **Engineer – Host Security Engineering**

*Citigroup, Inc. – February 2012 - March 2018*

- Lead engineer and developer for Citigroup's managed file transfer system
- Developed customizations in Perl and Java EE for the managed file transfer system as required to meet new business requirements

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## **Sr. Technical Analyst – Global Proxy Operations**

*Citigroup, Inc. – October 2009 - February 2012*

- 3<sup>rd</sup> Level operational support of Citigroup's managed file transfer system.
- Managed global deployment of 25+ new Proxy SG 9000 series proxy servers

## **Sr. Tech Analyst & Manager – Global Perimeter Security Operations**

*Citigroup, Inc. – May 2004 – October 2009*

- Managed the Global Firewall and Remote Access Operations team that supported firewall and RAS devices globally.
- Daily duties included staff, incident, and performance management
- Worked with team members to upgrade all Cyber Guard Firewalls supported by PSO.
- Deployed new Checkpoint firewalls for Citibank Online.
- 2nd Level Support for Cyber Guard, Cisco PIX, and Checkpoint firewalls, as well as Nortel CES

## **Engineer – Systems and Network Engineering**

*AIG, Inc. – April 1999 – May 2004*

- Solely responsible for support and maintenance of entire network infrastructure for AIG's Delaware, Puerto Rico, and Toronto offices
- Installed and configured Cisco ASA 3640 RAS solution for remote access
- Designed and implemented new Layer-3 Switching infrastructure for ALICO Home Office using Cisco 6500 with Sup720

## **Certifications**

Certified Information Systems Security Professional (CISSP) - September 2009 – Present

Certified AWS Cloud Practitioner – May 2019 - Present

Blue Coat Certified Proxy Administrator (BCCPA) - December 2010 – Present

Cisco Certified Network Professional (CCNP) May 2003 – May 2008