Yung (John) Chu

1233 West 33rd Street ♦ Chicago IL 60608 ♦ jync07@gmail.com ♦ Phone: (773) 988-3697

SUMMARY:

- Improved organization security posture and protected valuable data from threats by way of utilizing latest security technologies and frameworks. Successfully attained zero data breach safety record and prevented potential financial and reputational loss.
- Extensive experience in managing and improving audit findings, incident response, vulnerabilities assessment and remediation process flow. Successfully proactively resolved 100% potential security vulnerabilities through expanding continuous monitoring function, automation, threat modeling, security controls with Defense in Depth (DiD) approach.
- Proven track record of technical leadership in designing and implementing innovative complex enterprise programs. Utilized Agile System Development Life Cycle (SDLC) methodology with Scrum framework for project management.

HIGHLIGHTS OF TECHNICAL SKILLS:

- **Security Frameworks:** NIST SP 800-18, 800-30, 800-34, 800-37, 800-53, 800-66, 800-137, FIPS 199, NIST SSDF, FISMA, FedRAMP, SOX.
- **Advanced Security Technology:** Firmly understand SIEM, SOAR, Cloud Custodian, PKI, ACME, SSO, Multi-Factor Authentication (MFA), Spelunk, Infrastructure as code, Configuration as code, Application Security, Threat Intelligence and Security Automation.
- **Networking:** OSI and TCP/IP model, WAF, IDS/IPS, DLP, routing, switching, DNS, AD, etc.
- **Pen Testing and Security Scanners**: Qualys, Burp Suite, Fortify, Nmap, Metasploit, Wireshark, etc.
- **OS & Cloud Computing**: Linux, Windows, Amazon Cloud Computing
- **Programming & Scripting:** C++, Python, PowerShell, Shell.
- **CI/CD Pipeline:** Familiar with open source containerization approach (Docker, Jenkins, GitHub) and AWS approach (CodeCommit, CodeBuild, Codeploy, CodePipline), Kubernetes and serverless computing
- **Database:** AWS RDS- MS-SQL, MySQL.

PROFESSIONAL EXPERIENCE

Senior Engineer, End User Support (National IT)
Federal Reserve System, Chicago IL **2013-2020**

- Earned the organization's highest ranking- Outstanding, a rating reserved for the top 1% of all employees, and Commendable (second to outstanding) in the last 3 years annual performance appraisals. Received many Outstanding Performance and Cash awards.

- Led Federal Reserve System to attained FISMA, NIST and SOX compliance status by passing the Security Assurance of the Federal Reserve (SAFR) Program for regulatory security compliance for 10 consecutive years. Provided guidance and implemented/assessed control objectives and activities.

- Security leadership role, collaborated with the Chief Information Security Officer (CISO) and national IT security management on managing security vulnerabilities/remediation and audit findings. Established improvement in continuous monitoring process for proactive risk prevention that saw a reduction of 80% in audit and vulnerability tickets.

- Played a key role in architecting and implementing of the first agile, enterprise FedRAMP certified Government Cloud PaaS model in AWS Cloud using VPC, EC2, S3, Route 53, ELB, CloudFront, CloudWatch, WAF, CloudTrail, Auto Scaling, SIEM, RDS, MSSQL, EFS, AWS Lambda, Directory Services and Splunk. Successfully migrated public facing web sites, applications and databases to the cloud

- Architected and built out a secured cloud-based Web content service using AWS Identity and Access Management (IAM) Role among other AWS services for public web sites. Standardized CI/CD process and procedures.

- Architected and built out the first Multimedia enterprise service. This service became one of the most popular services within the Federal Reserve System. The usage rate doubled every year.

- Provided direction to junior staff including work assignments and prioritization, ensured timely and accurate completion of work to achieve organization and team objectives.

Senor Content Analyst, Web Content Services (National IT)
Federal Reserve System, Chicago IL 2003-2013
- Developed web content management services for the Federal Reserve System including both internal and public web sites. Secured data in transit, in use and at rest. The first of such service implemented in the Federal Reserve System.
- Worked with external consultants and internal staff and built out secure automation workflows to streamline business processes and procedures. Reduced 50% content publication time.
- Provided technical leadership in supporting on prim web content management service as well as hosting internal and public web sites in the DMZ. Technical leadership included design, implementation, security and operations.
- Provided technical and business problem resolution by investigating and responding to customer complaints or concerns. Received numerous accolades for outstanding customer service.

Senior System Engineer, Data Management Group
Federal Reserve Bank of Chicago (FRBC), Chicago IL 2000-2003
- Led multiple initiatives including creating a new DMZ web hosting environment.
- Managed and supported Federal Reserve System web sites.
- A key contributor in designing enterprise Active Directory (AD) and converting Windows 2002 servers to AD
- Involved in upgrading Microsoft SQL database

System Engineer, Network Services Group
Federal Reserve Bank of Chicago (FRBC), Chicago IL 1998-2002
- Provided support and management of the entire 7th Federal Reserve District LAN/WAN infrastructure
- Successfully migrated 2,000 users from various local networks on to standard Cisco switches for the 7th Federal Reserve District

Junior System Engineer, LAN/WAN Group
Federal Reserve Bank of Chicago (FRBC), Chicago IL 1996-1998
- System administrator for Windows, Novell servers and end user workstations
- Provided 24/7 Help Desk technical support
- Consistently received excellent customer service rating from customers

---

EDUCATION AND PROFESSIONAL CERTIFICATION

Master of Science in Computer Science, DePaul University (2000)
Bachelor of Business in Accounting, University of Illinois at Chicago (1991)
TeamSite, Sitecore and Qumu Administration certification (2011 - 2021)
Microsoft MCSE certification (2015)
ITIL foundation, Federal Reserve System SAFR certification (2018-2020)
CISSP, In Progress (Sitting exam in August 2021)