Yung (John) Chu
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SUMMARY:

- Diligent security professional with extensive experience in utilizing latest security technologies and frameworks to improve organization security posture and protect valuable data. Successfully maintained zero data breach safety record and prevented potential financial or reputational loss.
- Extensive experience in identifying and managing audit findings, security incident response, vulnerabilities assessment and remediation. 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.
- **Advanced Security Technology:** Firmly understand SIEM, SOAR, Cloud Custodian, NFV, SDN, 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 Bank of Chicago (FRBC), Chicago IL   **2003-2020**

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

- Worked with the Chief Information Security Officer (CISO), national and local IT security entities 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 a secured cloud-based Web Content Management System 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 the first Multimedia Content Management System as an enterprise service. This service became one of the most popular services within the Federal Reserve System. The usage rate doubled every year.

- Provided customized training for stakeholders and customers

- Mentored junior staff work progress and provided training

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

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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)