David Emerson

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Innovative technologist and leader who thrives in the modern enterprise, builds and inspires talented, accountable organizations, and provides architectural oversight to reduce cost, deliver value, improve stability, and mitigate risk. I present both CIO- and CISO-level experience, and have directed programs in multiple industries and through complex structural change. My analytical, empirical approach to management, systems design, and administration yields consistent results.

- CIO & CISO Hybrid Leadership
- Secure Information Technology Delivery
- Secure Software Development Lifecycle
- Technology Strategy Execution
- Automation & Orchestration
- Cybersecurity Advisory

- Post-M&A Technology Strategy
- Public & Private Cloud Transformation
- High-Performance Technical Teams
- Technical Organization Turnaround
- eCommerce, ERP, & CRM
- Managed Security Services

Experience

SolCyber **February 2021 - Present**
Chief Technology & Operations Officer Global, Telecommute

SolCyber delivers a curated stack of enterprise-strength security tools and services in a streamlined and accessible platform which is affordable for any organization. I was recruited by ForgePoint Capital, incubator of the SolCyber concept, to build the technical and operational functions of the nascent organization.

refmark **2016 - Present**
Principal Consultant Bethesda, Maryland

refmark provides information technology & cybersecurity due diligence assessments and technical product advisory services to inform our customers' strategic investments, mergers and acquisitions, and technical implementations.

FLUX **2010 - Present**
Advisory Board Member & Founding Investor Chicago, Illinois

FLUX produces, imports, and sells an affordable, efficient, and practical fully electric moped. Growing through sales direct to consumers as well as through their tourism-targeted franchise initiatives, the company has developed a foothold in a market poised for rapid growth fueled by rising energy costs, environmental awareness, and increased urbanization. I was an early investor in the company, and continue to advise leadership on both technical and strategic matters.

Cyxtera Technologies & **2017 - 2021**
Cyxtera Cybersecurity (Appgate) Global, Telecommute
Chief Information Security Officer

By combining a modern, hybrid-ready information security fabric with an uncommonly diverse and distributed footprint of 57 world-class data centers, Cyxtera delivers a secure platform for connecting and protecting dedicated infrastructure, private clouds and public clouds.

- Built and managed a corporate Information Security program in the midst of a six-entity, 74-site corporate merger/acquisition event.

- Built FedRAMP High-certified SOC to support sales of cloud infrastructure to high sensitivity customers.

- Championed "DevSecOps" approaches to automate and simplify both the administration of infrastructure and the audit of configurations and change.

- Built Cyxtera's Security Operations Center from the ground up, deploying tools to secure the necessary visibility and events management, hiring and augmenting staff, and refining operations to provide a competent and cost-effective organization.

- Introduced Architecture Review Board to the organization and managed discource and design decisions on an ongoing basis.

- Centralized the storage and version control of software intellectual property to ensure confidentiality and integrity despite organizational change and infrastructure integration.

- Promoted, and directly led, the deployment of Cyxtera products throughout the maturing infrastructure, providing practical use cases for the products internally, and reducing cost where a third-party product would otherwise have been deployed.

- Lead Planner for Cyber Storm 2020 national-level exercise participation at Cyxtera.

Cyxtera Cybersecurity (d/b/a Appgate) formed from the cybersecurity software and services capabilities of Cyxtera. Offerings consist of differentiated cloud- and hybrid-ready security and analytics products and services including Appgate SDP, the industry-leading Software-Defined Perimeter solution, the Total Fraud Protection suite of risk-based authentication and digital threat protection capabilities, the Brainspace digital investigations platform, and the Immunity offense-oriented software and adversary simulation services.

- Responsible for the recruitment and leadership of both Information Technology and Information Security functions within the new enterprise.

- Transitioned enterprise systems, services, and policies from Cyxtera to Appgate, permitting Appgate to run independently.

- Built cost-effective and standardized enterprise infrastructure and services across five previously un-integrated business units operating from twelve global locations.

- Directed enterprise technical transition to fully-remote workforce in response to pandemic conditions without significant interruption of service or productivity.

- Managed separation and technical services provided to acquirer through the $120M divestiture of a business unit.

Liquidity Services, Inc.   **2011 - 2017**
Vice President, Technology   Washington, D.C.

Liquidity Services (NDAQ:LQDT) is a global leader in surplus asset management, valuation, and disposition. Growth at the firm is rapid, sustained, and innovative, rewarding technical strategy and leadership. In 2011, I was hired to recruit, organize, and operate a formal cybersecurity program at Liquidity, and thereafter, via promotion and corporate growth, recruited, organized, and assumed management of the Technology organization.

- Managed more than 160 technical team members distributed across five countries on three continents.

- Established technical due diligence & discovery programs, facilitating corporate acquisition and integration.

- Drastically simplified infrastructure, reduced datacenter footprint, and standardized architecture while improving uptime and functionality.

- Automated infrastructure maintenance, configuration, and support, enabling a 54% reduction in employee-hours required for these duties and improving transition-to-support.

- Reduced staff by 34% through discretion in backfills, automation, infrastructure simplification, and performance management.

- Reduced operating expense by more than $6MM/year (24%) in less than one year.

- Organized, recruited, and managed dedicated Development, Quality Assurance, Compliance, Release & Change Management, Security, DevOps, Database, Infrastructure, Network, Technical Documentation, and Monitoring teams and programs.

- Migrated all major global e-commerce platforms and most corporate service components to the public cloud, increasing scale while reducing management overhead and systems complexity.

- Refined and standardized the hiring process for technical positions, reducing time to recruitment.

- Improved planning and execution by introducing and guiding a formal project framework within the Technology orgazniation.

- Directed the build-out, decommission, and relocation of six global datacenters, maintaining a cost-effective and appropriately scaled infrastructure.

- Directed the technical build-out, closure and maintenance of a >40-site footprint, including warehouses, offices, and headquarters.

- Managed technical compliance (SOX, PCI, DoD) and facilitated transition of these duties to a dedicated team.

Harris Associates L.P.   **2007 - 2011**
Network Engineer   Chicago, Illinois

Harris Associates is a compact, highly efficient organization with greater than $130 billion in assets under management. Success at Harris requires exemplary initiative, project management skills, and technical depth.

- Implemented and supported critical network and server infrastructure in a live trading environment.

- Directed security auditing and penetration testing to ensure compliance with regulatory and client requirements.

- Introduced vulnerability scanning and IPS to the firm, and translated output to relevant security initiatives.

- Reduced operations costs by streamlining procurement, inventory management, and vendor relationships.

- Managed datacenter facilities infrastructure, ensuring redundancy, preventative maintenance, and monitoring.

Tulane University   **2002 - 2006**
Systems Administrator   New Orleans, Louisiana

Apple Computer, Inc.   **2004 - 2005**
HPC Representative   New Orleans, Louisiana

Vassar College   **Summers, 2000 - 2005**
Allocations Technician   Poughkeepsie, New York

Independent Consultant   **Part Time, 1998 - 2011**

Education & Other

Tulane University   **2002 - 2006**
School of Science and Engineering   New Orleans, Louisiana
Bachelor of Science

Northwestern University   **Part Time, 2003 - 2006**
(toward B.S.)   Evanston, Illinois

Transformative Leadership Advisory Council, The George Washington University

Demo Day Executive Panelist 2020-2021, Enterprise Ireland

CISA IT Sector Coordinating Council, Positioning, Navigation, & Timing Services Working Group

Active Member, FBI InfraGard

Cornell University, Systems Thinking Certificate

Project Management Professional (PMP) #1658990

Certified Scrum Master (CSM) #000410433

Global Information Assurance Certification (GIAC) #6073

(ISC)^2 Certified Information Systems Security Professional (CISSP) #874662