David Emerson

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https://davidemerson.com

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 executive-level enterprise technology, cybersecurity, and operations 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, and COO Experience
- Secure Information Technology Delivery
- Secure Software Development Lifecycle
- Technology Strategy Execution
- Automation & Orchestration
- Cybersecurity Advisory
- Governance & Risk Management
- Product Development

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

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.

- Designed, built, and managed technology and operations organizations for a new Managed Security Services Provider which successfully attracted $20M in Series A funding.

- Managed *in situ* testing of prospective product features and integrations, balancing cost of operations with potential for revenue generation through practical experience.

- Built a lean development organization to design and maintain all customer-facing assets and integrations in a CI/CD pipeline on a serverless infrastructure.

- Hired and managed Customer Success teams to support onboarding and maintenance operations. Maintained a customer Net Promoter Score of greater than 90, 62 points above an industry average of 28.

- Designed capacity management models for evaluating current and proposed business processes and customer acquisition strategies.

- Controlled costs to facilitate maximum runway as the product found market fit within a Series A funding round.

- Built a CMMC 2.0 L2 product and organization to offer Defense Industrial Base customers a full-service model similar to our flagship commercial offering.

- Directed the successful SOC2 Type 2 certification of SolCyber products.

- Maintained a high degree of employee engagement and satisfaction through a performance management and feedback program which encouraged participation and opinion.

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 - 2024**
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 developed a foothold in a market fueled by rising energy costs, environmental awareness, and increased urbanization. I was an early investor in the company, and advised leadership on both technical and strategic matters.

Cyxtera Technologies &
Cyxtera Cybersecurity (Appgate)

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2017 - 2021
Global, Telecommute

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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.

- 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.

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2011 - 2017
Washington, D.C.

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Vice President, Technology

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.

- Enabling a 54% reduction in employee-hours required for infrastructure support through automation and orchestration, while improving transition-to-support for new products.

- 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 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.

- 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 built a dedicated team for these duties.

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 client and industry controls.

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

- Managed datacenter 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

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

Co-Author, The Cybersecurity Body of Knowledge, 2nd Edition

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