Matthew Connley
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Principal Engineer | Architect | Technology Leader & Innovator

Recognized as a leader and awarded as an innovator. Full-stack solutions engineer and a quick study with a life-long passion for technology. Broad range of experience and depth of expertise spanning software and infrastructure engineering. Builds scalable, business-critical, high-performance solutions that stand the test of time. Congenial personality and strong communication skills that foster lasting professional relationships and cross-functional efficiencies.

Technology Summary

Client/Server: .NET (C#), WCF, WPF, MVVM, SOA, ESB
Web: ASP.NET, MVC, SOAP and RESTful services
Database: Microsoft SQL Server, PostgreSQL, MySQL
Systems Infrastructure: Windows, Linux, VMWare vRealize (vCenter, Orchestrator, Operations Management, Automation/vRA), IIS, SaltStack
Scripting: Powershell, Python
Cloud / Datacenter Automation: vRealize Automation, Azure, AWS, Google Cloud, Packer, Terraform, Rancher, Kubernetes, Helm, Docker

Experience

U.S. Bank, Full-time Telecommuter   **08/2021 – Present**
Vice President – Lead Software Engineer
Principal architect and lead engineer on enterprise-wide observability program. Key contributor to cloud/Azure migration program.

- Led development team to provide logging and observability-related tooling. Automated 60+ day request-based processes into self-service API with instant fulfillment.
- Authored, published, and obtained Enterprise Architecture adoption of bank-wide observability-related specifications that extend existing industry standards.
- Acted as principal architect on enterprise logging and observability program.
- Advised multiple aspects of cloud design and migration plan. Advised on best practices and technical implementation details.

Charles Schwab / optionsXpress, Chicago, IL   **06/2006 – 04/2021**
Principal Engineer, 09/2018 - 04/2021
Technical and strategic lead on design and implementation of Schwab's next-generation internal IaaS product. Led cross-functional team of developers and systems engineers to build and support IaaS solution.

- Led all aspects of IaaS implementation which resulted in transitioning a small percentage of virtual server builds executed automatically to greater than 90% built automatically, with >10,000 VMs provisioned via self-service for a dramatic cost savings.
- Primary designer of all significant aspects of end-to-end IaaS solution using custom UI/REST API, vRealize Automation (vRA), and other custom solutions
- Personally designed and implemented first "blaze the trail" iteration of SaltStack configuration management toolset
- Guided application teams across Schwab on design, operations, and adoption of IaaS and IaC practices and principles.

- Advised and assisted platform/OS teams in automation of source image builds to enable better adoption of IaaS and eliminate the need for currency/patching of frequently released applications.
- **CEO Award – 2019**

Senior Systems Design Engineer, 10/2011 – 09/2018
Systems Engineer, 06/2006 – 10/2011
Built custom infrastructure and business monitoring and administration application suite used for 10+ years. Developed several back-office tools to automate and streamline manual processes. Senior member of team that implemented an Infrastructure as a Service product.

- Greatly enhanced production availability and engineer productivity with continuously evolving custom tool set.
- Created a large tools suite that improved processes across the organization, including systems administration, monitoring, compliance, and trading.
- Developed applications and reporting that substantially improved efficiencies in Trade Execution Desk operations - reduced errors and risk.
- Built tools to automate several critical back-office processes
- Enhanced / extended multiple existing tools and created new scripts and applications to automate infrastructure provisioning and management.
- **Most Innovative Employee Award – 2011**

Additional Relevant Experience

- **ABN AMRO Services Company / IBM Global Services**, Chicago, IL | **Sr. Systems Developer**
- **Giant Step Productions**, Chicago, IL | **Internet Operations Engineer | Systems / Network Engineer | Hosting Operations Coordinator**
- **Stan's Office Machines,** Woodstock, IL | **Systems and Network Engineer**
- **NTEK Computing,** Woodstock, IL **| Engineer**
- **Illinois Internet Communications**, Woodstock, IL **| Systems Engineer**

Certifications

Azure Fundamentals/AZ-900, 2022
Lean IT Association Foundation, 2018