

Results driven **CTO, VP of Engineering, Consultant, and Technologist** with over 20 years of software engineering and leadership experience and a passion for the craft. Strong belief in empowerment and bringing people together to produce outcomes. Expertise developing and managing all stages of the software development life cycle. Strong technical knowledge of cloud, web, mobile, database, container, and CI/CD technologies, proven experience leading, designing, and delivering highly scalable solutions in the cloud and on-premise. Exceptional work ethic.

Core Expertise Includes:

- ✔ Software Engineering and Leadership
- ✔ Cloud Technologies, PaaS, SaaS
- ✔ Systems Integration and Decomposition
- ✔ Technical Diligence and Talent Evaluation
- ✔ Architecture and Domain Modeling
- ✔ Mobile Based Solutions
- ✔ Dev Ops and Agile
- ✔ Containers and Orchestration

Career Highlights

Alteryx

2018 – 2021

VP of Engineering

Started with Alteryx as the VP of Engineering Enablement leading the Dev Ops, Agile and Program Management teams. In Jan 2019, transitioned to the VP of Engineering over Platform and took over a troubled product. After the successful launch of the product, moved to the VP of Technical Strategy over all Alteryx products and technology.

Highlights:

- Reported to the CTO and regularly presented to the C-Level.
- As the VP of Engineering Enablement, lead a reorganization of our Agile, DevOps, and Program Management teams based on a value stream analysis to decrease software delivery cycle times, increase quality, and improve morale. Designed a plan to migrate our code bases from Source Safe to Git and rebuild our CI/CD pipelines leveraging AWS, automation, and containers which resulted in a 50% reduction in build times and a 10x improvement in time to deploy.
- After transitioning to the VP of Engineering over Platform, took over a troubled project that was envisioned to be the core of the Alteryx next generation products. Directly lead 10 teams, half were off-shore. Successfully turned the project around, broke down the walls between the Product and Engineering teams, opened communication channels between on-site and offshore teams, and launched in 18 months.
- As the VP of technical strategy, I was responsible for architecture across the engineering organization (30+ teams), identifying and mitigating technical risks, prioritizing security (including OWASP, FIPS, and FedRamp), and identifying/resolving dependencies across teams and geographies. Implemented architectural standards and a common design process across the engineering org.
- Additional duties across all roles included technical diligence for potential acquisitions, hiring, training, and mentoring.

FrontSteps

2012 – 2017

EVP of Engineering

Under the ownership of Private Equity, FrontSteps was the combination of 7 companies which provided SaaS solutions for Home Builders, Property Management Companies, Security Companies, and Real Estate Agents.

Highlights:

- Member of the Executive Team, reported to the CEO. Responsibilities included technical diligence, migration strategy, production infrastructure/architecture, database/software architecture, technical debt assessment/mitigation, and engineering leadership/management/training/hiring.
- Responsible for over 100 applications across 7 acquisitions while leading 5 cross-functional teams
- Designed an innovative, low risk solution to consolidate 4 different products into a single platform to reduce technical debt, drive new revenue opportunities, and provide a modern, scalable, and resilient platform to build on.
- Consolidated 7 different hosting providers to a single cloud provider and reduced annual spend by 250K.
- Created SOA based applications on the Azure platform using microservices and an event-driven architecture.
- Standardized source control, development tools, CI/CD, and 3rd party software libraries across the organization.

AssociationVoice

2001 - 2012

IT Consultant, Application Manager, Architect, Technical Lead, Application/Web/Mobile Developer, DBA

Took over as lead developer in 2001. Completed development of a web-based content management system for the Homeowners Association Market. Grew the system into an advanced SaaS platform offering over 30 end-user configurable modules. The platform provided services to millions of end users and routinely processed over 1,000,000 dynamic page hits per day.

Highlights:

- Member of the Executive Team responsible for all aspects of the application and infrastructure including design, architecture, development, team management, implementation, maintenance, ROI and feasibility analysis.
- Designed a scalable cloud-based infrastructure involving Windows 2008, VMware, load-balancing, and SQL Server 2008 clustering that delivered 99.999% uptime.
- Created a cross-platform mobile application that featured offline capabilities utilizing.
- Implemented a migration plan to convert the classic ASP application to ASP.Net MVC with zero down time.
- Designed and built an ORM free Data layer that reduced maintenance and development costs, decoupled the application tiers, and reduced the code base by over 50%.
- Designed and developed a credit card and ACH processing system that processed over \$500 million in payments. The system integrated with several merchant account providers including Authorize.net, Sage, and ProPay and featured real-time integration with several back-office property management systems.

"Tom is the best developer I have ever worked with." - Drew Regitz, CEO, AssociationVoice

Technical Expertise

Programming Languages: C#, JavaScript/ES6, TypeScript, Python, SQL, TSQL, Java, C++, Go
JavaScript Libraries: React, Angular, Kendo, Sencha, jQuery
Web/Server Technologies: ASP.NET core, ASP.NET MVC, ASP.NET, Node.js
Database Platforms: SQL Server (7 – 2019), Mongo, Couchbase, SQLite, Access, Oracle, DB2
Server Platforms/Containers: Windows (NT – 2019), vSphere, Linux, Ubuntu, Docker, Kubernetes
Cloud Platforms: Azure, AWS, GCP
Messaging Platforms: Twilio, PubNub, Pusher, SignalR, SendGrid, Azure EventGrid/ServiceBus
Mobile Platforms: Xamarin, NativeScript, Hybrid

Certifications

Microsoft Certified Professional (MCP)

Education

University of Colorado, Boulder, CO

BS Information Systems and Finance, Minor Economics

- Four-year letterman, University of Colorado Men's Varsity Golf Team
- 2-Time Academic All-Big Eight, 2-Time Academic All-Big Twelve