

## VP, SOFTWARE ENGINEERING

I'm a dynamic leader with a deep-seated passion for steering high-performing teams in the creation of innovative software solutions. My expertise centers on not only catalyzing revenue growth but also cultivating novel business opportunities through the strategic application of technology and fostering robust relationships. As a forward-thinking problem solver, I excel at collaborating with senior executives, stakeholders, and customers across diverse industries, optimizing resources, ensuring exceptional client satisfaction, and seamlessly addressing their unique requirements. With a profound understanding of the intricacies of software development, I am dedicated to nurturing motivated and collaborative technical teams, where respect and empowerment are the cornerstone of our shared success.

Credentials: Master of Software Engineering (Carnegie Mellon), Scrum Master, PMP, CMMI Assessor, and prior Top Secret Security Clearance.

### Career Highlights:

- **IT Strategy & Roadmap Development:** Spearheaded the expansion of project and program management capabilities for a regional bank, defining a strategic IT roadmap focused on a system architecture that seamlessly connected various siloed systems, from online banking to loan management, to the core banking system.
- **Growth Strategies:** Successfully reinvigorated a Federal Civilian program, prioritizing improved project delivery and customer relationships, leading to positive business impact and sustainable growth.
- **Technology Innovation:** Delivered the award-winning FoodKeeper mobile apps for Android and iOS devices, providing essential food product storage and handling information, aligning with USDA's food safety mission.
- **System Development:** Delivered the USDA Agricultural Marketing Service Market Analysis and Reporting Services (MARS) system, completely redesigning the core data collection system to manage over 200 commodities and 500+ data types in a unified system.

## Strategic IT Leadership and Expertise that Drives Competitive Advantage

- Leadership
- Software Development Lifecycle (SDLC)
- Program Management
- Project Management
- Contract Management
- Building High-Performing Teams
- Business Process Improvement
- P&L Management
- Operational Management
- Business Development
- Client Relationship Management
- Resource Allocation
- Vendor Management
- Cross-Functional Alignment
- IT Portfolio Planning
- Risk Management
- Cloud Computing
- Process Development
- Quality Assurance
- DevOps
- Agile Development

## Maximizing Process Excellence and Productivity through Technology Innovation and Optimization

**Fox Corporation/Fox Television Stations, Inc.**, Los Angeles, CA

2019 – Present

*FOX Television Stations is one of the nation's largest owned-and-operated network broadcast groups, comprising 28 stations in 17 markets.*

### DIRECTOR, DIGITAL ENGINEERING

Oversee the development of platform services, websites, mobile apps, and connected TV apps at FOX TV. Enrich the customer experience with features such as content delivery, live streaming, video on demand, interactive services, content recommendations, and dynamic ad insertion. Mentor and lead engineers in designing and building easily

maintainable and scalable features, recruit and onboard new engineers, and drive agile development best practices. Collaborate with executives, product management, delivery leads and vendors to plan, scope, and schedule feature development. Ensure accurate estimation of team capacity and its efficient allocation across projects, guaranteeing timely and high-quality deliverables. Proactively adapt to significant technology changes to maintain a competitive industry position.

#### **Key Programs/Projects and Accomplishments**

- Built a full software development organization of 17--all new hires--including web, mobile, and connected TV engineers, software development engineers in test (SDETs), architect, devops/cloud engineer, and technical managers.
- Helped the team establish processes, policies, and best practices to enable efficient delivery of software services.
- Enabled the software development organization that raised Fox Television Stations' Comscore group rating in digital from #10 to #3 in the first year of employment.
- Directed automated testing initiatives for both web and mobile teams, using Cypress and Appium.
- Developed an automated build process using Azure DevOps that builds our news app for Android and iOS for all 17 owned and operated stations across our dev, stage, and production environments.
- Led the software team through the implementation of major projects, including an ad service migration, video management system migration strategy, single sign-on integration, multi-livestream and VOD orchestration layer, click tracking, and a new video-centric user experience.

**Case Western Reserve University**, Cleveland, OH

2019

*One of the nation's leading research institutions, Case Western Reserve University offers nationally recognized programs in the Arts and Sciences, Dentistry, Engineering, Law, Management, Medicine, Nursing and Social Sciences.*

#### **DIRECTOR, DATA MANAGEMENT, ANALYTICS & VISUALIZATION**

Selected to lead the transformation of the university towards an analytically enabled organization. As the chief advocate and evangelist of data-based decision making, provides innovative vision and drives prioritization, budgeting and resource planning for data analytics operations. Serves as a leader, coach, and mentor to the data analytics team members providing a challenging, fulfilling and motivating environment. Interacts with all levels of leadership across the university to assure alignment of analytics solutions and services with the goals and priorities of the various campus management organizations.

#### **Key Programs/Projects and Accomplishments**

- Established a two-year technology roadmap for the enhancement and rollout of a data analytics platform based on AWS Data Lake, leveraging big data, machine learning, continuous integration/continuous delivery (CI/CD), cloud computing, and serverless computing technologies.
- Drafted a set of principles on the use of institutional data and driving consensus and adoption of the principles across the university.
- Produced institutional data governance policies based on data use principles being adopted by the university.
- Developed an advanced analytics platform to enable the various management organizations to securely share institutional data with automated enforcement of governance policies and use agreements.

**Customer Value Partners (CVP)**, Fairfax, VA

2016 – 2017

*A privately held IT company providing a range of services from cybersecurity to software development, and from healthcare IT to call center support.*

#### **EXECUTIVE DIRECTOR, TECHNOLOGY SOLUTIONS**

Hired to turn around and lead the Federal Civilian program refocused on improving project delivery and customer satisfaction. Directed, coached and developed a team of 50 (project managers, program managers, architects, application developers, testers, business analysts). Managed a multimillion-dollar budget with accountability for customer acquisition, proposal development, relationship management and project delivery.

#### **Key Programs/Projects and Accomplishments**

- Census Bureau, Technologies Management Office: Managed systems enhancements to the Computer-Assisted Personal Interviewing and Computer-Assisted Telephone Interviewing modes of data collection.

- Led several teams in survey creation, database design, requirements specifications, and software development to achieve organizational needs.
- USDA, Food Safety and Inspection Service (FSIS): Enabled organization's compliance with federal guidelines through the delivery of advanced cybersecurity services, including policy design and assessments and management of a Security Operation Center (SOC).
  - Oversaw project that consistently maintained a green quarterly FISMA scorecard and 100% compliance with federal guidelines throughout the performance period.
- National Institute of Standards and Technology (NIST): Developed a single-system, cloud-based Customer Relationship Management (CRM) solution to capture, manage, and report customer data and activities.
  - Configured, customized, and implemented an enterprise-wide Salesforce CRM solution for 21 NIST offices, enabling executives to view, track and report on customer interactions across the entire NIST organization.
- General Services Administration (GSA): Directed the enhancement and support of a Salesforce CRM solution, containing major acquisitions from across the federal government.
  - CRM solution enabled detailed analysis of government-wide acquisitions to help GSA portfolio leaders direct their efforts.

**Digital Management, Inc. (DMI)**, Bethesda, MD

2009 – 2016

*The world's first end-to-end mobility company with more than 2000 employees.***VICE PRESIDENT, SOFTWARE ENGINEERING**

Following DMI's acquisition of Fontanus, guided company in achieving CMMI Level 3 certification as part of a capture effort for a \$350M business opportunity with the US Coast Guard (USCG). Coached the organization through creation of the necessary project artifacts to attain certification in just six months, which enabled the organization to win the large USCG contract, and then transitioning to delivery executive for the USDA and Commerce program. Led a software team of 30 with a multimillion-dollar budget and responsibilities for customer acquisition, relationship management, and project delivery. Grew the USDA portfolio from zero to \$5M annually and led team to achieve one of the organization's highest customer satisfaction ratings while maintaining the highest profitability margin.

**Key Projects/Programs and Accomplishments**

- USDA, Agricultural Marketing Service Market Analysis and Reporting Services (MARS): Architected and developed the next-generation web-based market news data collection system to capture information on 200+ commodities across 3600 markets.
  - New system retained source data, consolidated reports, and enabled new commodities to be added with minimal coding.
- USDA, Agricultural Marketing Service Livestock Mandatory Price Reporting System (LMPRS): Oversaw creation of operation and maintenance processes for LMPRS, a data collection and database management system.
  - Acquired and customized an issue tracking system to collect incoming support requests and manage the request lifecycle.
  - Received annual follow-on enhancement work to extend the system with new capabilities including adding dynamic dashboards to major commodities.
  - Won a follow-on, five-year contract in 2015 to support LMPRS.
- USDA, Food Safety and Inspection Service (FSIS): Developed and supported the FoodKeeper mobile apps for Android and iOS phones and tablets, which provide food product storage and handling information.
  - Achieved more than 100,000 downloads within months of its release.
  - FoodKeeper ranked #3 app on the General Services Administration (GSA) List of Top 10 government apps in 2016.
- Bureau of Economic Analysis (BEA): Project Manager for O&M and software modernization services for the BEA's Estimation Information Technology System (EITS).
  - Developed iTable, a system that consolidates and presents interactive data from across all the BEA divisions onto the public BEA website.
  - The BEA site was an awardee in the "Driving Digital Government" category for the 2012 Digital Government Achievement Awards (DGAA).

**Fontanus, Inc (acquired by DMI)**, Arlington, VA

1998 – 2009

*A boutique software development company providing custom Java software development to financial service firms.*

## PRINCIPLE

Cofounded, built and directed a successful multimillion-dollar software company. Managed professional services staff, operations, and business development while consulting as a Software Engineer, Project Manager and Software Process Expert for financial services firms, insurance companies, and banks. Coauthored a CMMI Level 3 Software Process manual (Torque), which was used as a basis for Fontanus' IT services. In 2009, DMI reached out to Fontanus for assistance in attaining CMMI Level 3 certification based on the Torque Software Process, and this relationship led to DMI's acquisition of Fontanus.

### Key Projects/Programs and Accomplishments

- TIAA-CREF: Directed a team in the development of Summit, a comprehensive investment management system built and maintained internally by TIAA-CREF Investment Systems support group.
  - Led multiple application development teams with 10 – 20 developers designing a suite of Java client applications communicating with an EJB-based middle tier.
- Guardian Life Insurance: Architected, designed and developed AutoSubscriber, a solution for automating the distribution of native software, Java software and files to client desktops from a centrally controlled server.
  - Developed the solution with Windows 98 and NT using Symantec Visual Café, Marimba Castanet and Java 1.1.
- H&R Block: Captured a \$5M annual savings in shipping through the design of FINUploader, an electronic system to automatically collect completed tax files from 10,000 field offices nationwide and store them on centrally managed servers.
  - Created the server component and test client; developed the solution under Windows 98 using Symantec Visual Café, Marimba Castanet and Java 1.1.
- The Bank: Slashed third-party vendor costs by building an electronic banking infrastructure.
  - Gathered business requirements, selected products and managed conversion to new electronic banking solutions across telephone banking, marketing site, retail online banking, and commercial online banking.
  - Designed and developed a secure web-based customer authentication system for single sign-on.
- Superior Bank: Established a bank-wide systems roadmap, presented recommendations on designing an integrated banking environment, and managed selected IT projects.
  - Architected and developed a web-based wire transfer system.
  - Led a regional bank's expansion of program management capabilities.
  - Defined a strategic IT roadmap centered on a message bus system architecture that connected all of the siloed systems from online banking to loan management systems to the core banking system.

## Education and Certifications

**MSE, Software Engineering**, Carnegie Mellon University, Pittsburgh, PA  
**BS, Math and Computer Science**, Carnegie Mellon University, Pittsburgh, PA

Certified ScrumMaster | Certified Project Management Professional (PMP) | CMMI Assessor Certification