

MARK J. HOGAN

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Software Engineering Manager

Results-driven Software Engineering Manager and strategic systems architect with over 20 years of experience leading cross-functional teams and delivering scalable enterprise platforms across industrial, healthcare, and SaaS domains. Proven success in modernizing legacy systems, driving CI/CD adoption, and building maintainable API ecosystems. Committed to advancing technical excellence, growing engineering talent, and contributing impactful solutions for the next decade and beyond.

Architectural Impact & Strategic Design Contributions

- **Platform Modernization & Product Stability** Directed transformation from legacy WPF/SOAP platform to scalable React & .NET Core architecture, implementing BFF design, CI/CD pipelines, and caching—reducing customer cancellations and increasing deployment reliability
- **Engineering Team Enablement** Mentored engineers on backlog triage, defect elimination, and deployment automation—resulting in consistent zero “Severity 1” releases and improved delivery velocity
- **Agile Facilitation & Scaled Planning** Led sprint rituals and Program Increment (PI) Planning across cross-functional teams within a SAFe Agile framework, enhancing feature flow and stakeholder confidence
- **Real-Time Asset Tracking Integration** Delivered REST API infrastructure and backend instrumentation for healthcare asset monitoring—ensuring scalable visibility and performance reliability
- **Resilient Deployment Strategy (SCADA)** Implemented methodical installation workflows for SCADA software and operating systems using custom scripting and disaster recovery logic to safeguard industrial environments
- **QA Automation & Technical Debt Recovery** Applied Copilot-assisted code reviews and CI workflows to elevate code health, reduce support friction, and accelerate modernization efforts

Engineering Delivery Leadership & Execution Methodologies

Agile (Scrum, SAFe) · Sprint Rituals · Program Increment (PI) Planning CI/CD Automation · Zero-Defect Deployment Strategy · Engineering Team Facilitation Scaled Team Collaboration · Test-Driven Development (TDD) · Consumer-Driven Development (CDD) Backend-for-Frontend (BFF) Architecture · Root Cause Analysis

Technical Proficiencies

- **Architecture & Strategy:** Scalable Systems, Distributed Design, Backend-for-Frontend (BFF) Architecture, Modular Integration, Legacy System Transformation, Consumer-Driven Development (CDD), Test-Driven Development (TDD), Hierarchical Configuration Modeling, Caching Strategies
- **Languages & Frameworks:** C#, VB, C++, ASP.NET, WPF, REST/SOAP, React, Blazor (WebAssembly, Razor UI), Entity Framework
- **DevOps Tools & Planning Platforms:** Azure DevOps, Git (Git Flow), Jenkins, Visual Studio, xUnit, Jira, Confluence, TFS Integration
- **Scripting & Automation:** VBScript, PowerShell, Windows Command-line (CMD), Python, Bash
- **Database & Data Operations:** SQL Server, T-SQL, Redis, ORM Principles, Data Migration Strategies, Historical Data Modeling, Log Archival, Performance Optimization
- **Cloud Familiarity & Deployment Context:** Basic deployment familiarity with Azure App Services, CI/CD pipelines, and GitHub-hosted static sites. Knowledge applied in personal and professional projects with intent to deepen platform fluency
- **Industry Domains:** Industrial Automation, Healthcare Technology, Biomedical Asset Management, Enterprise SaaS Platforms

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- **Leadership & Collaboration:** Technical Mentorship, Strategic Thinking, Engineering Culture Development, Team Scalability Coaching, Cross-Functional Collaboration, Communication, Delivery Reliability

Professional Experience

Senior Software Engineer / Engineering Manager Accruent – New Orleans, LA | Sep 2018 – Dec 2024

- Mentored globally distributed engineering teams and fostered a culture of scalability, clarity, and performance.
- Oversaw SAFe Agile execution, including PI Planning, backlog grooming, and sprint delivery.
- Guided backend transformation of Healthcare Asset Management system using React & .NET Core.
- Implemented test-driven development (TDD), automated xUnit testing, and code optimization using Copilot AI.
- Collaborated with support for root cause analysis and technical debt reduction.
- Achieved zero-defect release cycles and improved deployment velocity by 17%.

Senior Computer Systems Analyst General Dynamics IT – New Orleans, LA | Feb 2016 – Jun 2018

- Managed release cycles in Scrum environment and automated deployment pipelines using C#, Python, Jenkins, and Groovy.
- Designed TFS-integrated time tracking and reporting systems.

Principal Partner / Lead Developer System Management Technologies – New Orleans, LA | Mar 1999 – Feb 2016

- Led design of IT Works suite including hierarchical data models, install engines, and system management consoles.
- Created unattended install systems and dynamic configuration utilities.
- Developed integrated Helpdesk, monitoring tools, and real-time feedback modules.

IT Coordinator / Lead Developer Texaco Inc. – Wilmington, CA | Jan 1997 – Mar 1999

- Developed and implemented Texaco's Managed Desktop Solution, cutting refresh cycles from months to weeks.
- Designed a plant-wide Distributed Control System using AspenTech CIM/21 for live process monitoring.

Education

- **B.S. in Mathematics** – Nicholls State University – Thibodaux, LA
- **B.S. in Computer Science** – Nicholls State University – Thibodaux, LA

Websites & Projects

- **LinkedIn Profile:** <https://linkedin.com/in/MarkHoganInLa> - Professional portfolio showcasing career achievements, technical leadership, and strategic intent for continued impact
- **GitHub Portfolio:** <https://github.com/KrazKjn> - Repository of real-world projects, architectural samples, and deployment utilities across .NET, scripting, and automation
- **Blazor Personal Website:** <https://krazkjn.github.io/my-personal-blazor-website> - Component-based SPA built with .NET Blazor and WebAssembly, leveraging Razor UI structure and client-side rendering
- **React Personal Website:** <https://krazkjn.github.io/my-personal-react-website> - Interactive single-page application using React, React Router, and SPA routing patterns via GitHub Pages deployment

Energized to mentor engineers, lead modernization, and build systems that endure—while supporting the next generation of architects and team leads.