

Justin Freres

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PROFESSIONAL SUMMARY

Full-stack software engineer and IT professional with 28+ years of experience delivering enterprise applications, ERP systems, CI/CD pipelines, and API integrations at production scale. Spent 16+ years as a lead-level engineer at a large enterprise organization, owning architecture and delivery across the full SDLC in C#/.NET, Angular, TypeScript, Python, SQL, and more. Brings a research dimension through a NASA-affiliated machine-learning initiative with findings published on IEEE Xplore, bridging applied engineering with academic rigor. Holds a Master's in Information Technology/Cybersecurity and CompTIA Security+ CE.

EXPERIENCE

Adjunct Instructor, Technical Education (Part-time)

Jan 2025 – Present

Ozarks Technical Community College

Springfield, MO

- Teach college-level CompTIA A+ Core 2 certification coursework covering operating systems, security, software troubleshooting, operational procedures, and customer support; average enrollment of 15–17 students per section.
- Build hands-on labs and coach exam readiness; achieved a 70%+ student pass rate on the Core 2 certification exam across sections of 10–25 students.

Software Engineer IV (Lead Developer Equivalent)

Jul 2009 – Feb 2026

General Council of the Assemblies of God

Springfield-Branson, MO

- Led architecture, development, and continuous improvement of enterprise software solutions across the full SDLC: design, build, test, deploy, and production support.
- Built and maintained full-stack applications using C#, .NET/.NET Core, ASP.NET, JavaScript/TypeScript, HTML, CSS, and Angular, React, and Vue front-end frameworks.
- Implemented and supported CI/CD pipelines and release automation with Azure DevOps, GitHub, and Octopus Deploy to improve delivery reliability.
- Integrated REST/SOAP APIs and OAuth/OIDC authentication; applied OWASP-aligned secure coding practices; optimized SQL Server schemas and queries for scalability and performance.
- Served as lead developer for donation, sales, and other business-system applications using C#/.NET, Angular, TypeScript, JavaScript, Python, COBOL, SQL, APIs, and automation.
- Led the donation-system upgrade from Angular 12 to Angular 19, maintaining secure, reliable business workflows through testing, production support, and continuous improvement.
- Delivered 5+ years of Odoo development and production support, including custom modules, workflow automation, upgrades, and external-system/API integrations; led the platform upgrade from version 12 to 16.
- Modernized internal C# applications from .NET Framework 2.0 to current .NET Framework and .NET Core; led architecture, delivery, troubleshooting, and technical guidance across the lifecycle.
- Supported Microsoft Dynamics GP/Great Plains and helped plan a migration to Business Central; migration was paused after Microsoft extended on-premises Dynamics support.
- Served as sole SharePoint administrator and developer, maintaining a missions site and executive document library from SharePoint 3/2003 through migration to SharePoint 2016.

Network Administrator

May 2007 – Dec 2008

Mid Missouri Tech Center

Springfield-Branson, MO

- Administered Windows client/server environments and network operations across virtual and physical infrastructure; installed, configured, and customized Microsoft Operations Manager (MOM) for monitoring and diagnostics.
- Supported migration of a Red Hat Apache website to Windows IIS, improving maintainability in a Microsoft-based environment.

Earlier IT Leadership and Technical Experience

1996 – 2006

The Shop Speed and Performance; Springfield Marine; Telec; Aztec Computer Outfitters; Kolar Business Machines

Missouri

- The Shop Speed and Performance: Served as a network field technician installing, supporting, and maintaining Cisco networks, Windows Server and Exchange, WinNT/Novell/Solaris/Linux, endpoints, cabling, and network equipment.
- Telec: Served as a network field and data technician supporting and maintaining Cisco networks, SharePoint intranet/extranet, Windows Server and Exchange, WinNT/Novell/Solaris/Linux, endpoints, cabling, and network equipment.
- Aztec Computer Outfitters: Served as a network field technician installing, supporting, and maintaining Cisco networks, SharePoint intranet/extranet, Windows Server and Exchange, WinNT/Novell/Solaris/Linux, endpoints, cabling, and network equipment.
- Springfield Marine: Designed the complete IT environment for a new building from floor plans, including WinNT, Novell, Solaris, Linux, ComDial PBX/VoIP, T1 connectivity, and structured cabling and fiber linking the warehouse to the main office.
- Kolar Business Machines: Started as a bench technician building Windows 95 PCs for computer labs across southwest Missouri; promoted to Network Technician, earned Novell CNA certification, installed Novell servers for Windows 95 clients, and implemented Novell BorderManager to filter MOREnet internet access.

RESEARCH

- NASA-Affiliated Machine Learning Research, Missouri State University Master's Program — work published on IEEE Xplore (ieeexplore.ieee.org/author/37088891149).
- Served as lead developer on a NASA-related machine-learning research effort, coordinating implementation and technical direction.
- Developed and evaluated machine-learning workflows to support research objectives, emphasizing reproducibility and clear documentation.
- Collaborated with university research stakeholders to translate research goals into implementable software and data-processing steps.

CERTIFICATIONS

- CompTIA Security+ CE
- CompTIA A+
- MCSA Web Apps
- MCSD App Builder / Web Apps
- MCP Microsoft Certified Professional

SKILLS

Languages and Frameworks: C#, .NET / .NET Core, ASP.NET, Angular, TypeScript, JavaScript, Python, HTML5, CSS3, SQL, PostgreSQL, Java, Java (Kotlin), Odoo, SharePoint, COBOL

DevOps and Automation: CI/CD Pipelines, Azure DevOps, PowerShell, Batch Scripting, Build Automation, Octopus Deploy

Security and Cybersecurity: Cybersecurity, OWASP Secure Coding, OAuth / OIDC, Security Assessment, Compliance, Data Recovery, CompTIA Security+ CE, CompTIA A+

Infrastructure and Networking: Server Administration, Windows / macOS / Unix / Linux, Network Diagnostics, Computer Networking, Backup and Recovery Systems, Telecommunications

Platforms and Tools: Visual Studio, VS Code, PyCharm, SQL Server, Microsoft Azure, IIS, Git, GitHub, K2 Workflow Platform, Linux (Kali, Ubuntu), SharePoint

Portfolio: justinfreres.com (live sandbox), game.justinfreres.com (live sandbox)

Legacy Knowledge: VB.NET, VBA, VB, COBOL, Microsoft Access, Novell, DOS

EDUCATION

Missouri State University	Springfield, MO
<i>Master of Science in Information Technology / Cybersecurity.</i>	2021
Missouri State University	Springfield, MO
<i>Bachelor of Science in Information Technology / Application Development.</i>	2020