Patrick Richards

Full Stack Web Developer

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Professional Overview

Full Stack Web Developer specializing in end-to-end web and desktop application delivery across .NET and Microsoft architectures. Combines full-stack engineering discipline with modern AI development workflows to rapidly design, deploy, and maintain mission-critical enterprise solutions.

- **Front-End Development:** Crafts intuitive, responsive web and desktop user interfaces using modern client-side standards, clean component architectures, and reliable cross-platform patterns.
- **Back-End Engineering:** Designs scalable server-side architectures, RESTful APIs, and background processing services in C# and .NET frameworks.
- **SQL Server & Data:** Architects robust relational schemas, optimizes complex queries and stored procedures, and ensures high-availability data pipelines.
- **AI-Driven Workflows:** Utilizes generative AI tools and developer harnesses to build, modernize, test, and document applications while streamlining engineering workflows.

Skills & Competencies

- **Soft Skills:** Project Management, Client Discovery, Systems Analysis, User Empathy
- **Artificial Intelligence:** Anthropic Claude, Google Gemini, Microsoft Copilot, OpenAI ChatGPT
- **Front-End:** HTML, JavaScript, CSS, SCSS, Bootstrap
- **Back-End:** Microsoft .Net Framework, .Net Core, C#
- **Databases & Data:** Microsoft SQL Server, T-SQL, XML, JSON, CSV
- **Cloud & Infrastructure:** Microsoft Azure, Windows Server, IIS, SQL Server
- **Content Management:** DNN / DotNetNuke, 2sxc

Certifications & Courses

- **Google:** AI Professional Certificate
- **Microsoft:** Introduction to ASP.Net Core Framework
- **Anthropic:** Claude 101, Claude Code 101, Claude Platform 101, Claude Code in Action

Professional Experience

Full Stack Web Developer

nvisionative, Inc. – Remote *July 2024 – April 2026*

Technical Leadership & Full-Stack Redesign: Led redesign and launch of Thompson Health's 800+ page enterprise portal, building C# backend modules, DNN themes, and 2sxc-driven dynamic data models aligned to branding standards.

Enterprise & Government Solutions: Engineered secure intranet and public-facing .NET web applications for high profile clients including Erdman Anthony and the U.S. Department of Veterans Affairs, while maintaining and scaling 10+ client production environments.

Business Continuity & Infrastructure Migration: Acted as technical continuity lead during OS-Cubed's acquisition, maintaining DNS and cloud infrastructure, protecting client SLAs, and sustaining 99.9%+ uptime across production web servers.

Manager of Development Services
OS-Cubed, Inc. – Rochester, NY *January 2008 – July 2024*

Engineering Leadership & SDLC Management: Directed 1–5 developers across the full SDLC, delivering custom software, database architectures, and enterprise web solutions for healthcare, manufacturing, and distribution clients.

High-Performance E-Commerce & ERP Integration: Architected the backend and database for a 1,000,000+ product e-commerce platform, improving query performance to under 500ms and automating near-real-time inventory and billing sync with Acumatica ERP.

Application Architecture & API Development: Programmed core C# and .NET server-side business logic, Web APIs, and dynamic database integrations adhering to strict performance, security, and scalability benchmarks.

Database & Server Infrastructure: Provisioned, secured, and administered co-located Windows Server clusters, IIS environments, DNS, and Microsoft Azure deployments. Designed complex relational schemas, views, and optimized indexing strategies in SQL Server.

Software Developer
OS-Cubed, Inc. – Rochester, NY *November 2005 – December 2007*

Full-Stack Web Development: Engineered custom module components, database models, and dynamic interfaces as a core founding developer on the OS-Cubed application team.

Public Safety Application: Augmented the development and deployment of a mission-critical weekly tracking and reporting system for the Rochester Police Department utilizing Microsoft Office automation.

Software Developer
Aztek Computer Solutions, Inc. – Rochester, NY *November 2004 – October 2005*

Software Development and Reporting: Developed a VB6 and Crystal Reports weekly reporting system for sales tracking at Corning Glass World Kitchen.

Additional Experience

- *Senior IS Specialist at EDCO, Inc.*
  Architected secure records retrieval systems managing 1,000,000+ medical records
- *Software Developer at Xerox, Inc.*
  Developed Bill of Materials engineering applications
- *Software Developer at Paychex, Inc.*
  Built enterprise data reporting and high-volume print generation systems

Education

- *Bachelor of Science in Computer Science*
  Rochester Institute of Technology (RIT) – Rochester, NY
- *Bachelor of Arts in Pastoral Ministry and Bible*
  Baptist Bible College – Springfield, MO

Portfolio

- https://patrickrichards.com
  Recent AI projects leveraging Anthropic Claude and Google Gemini