Amy Patterson

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Summary

Senior full stack engineer with expertise in scalable enterprise applications for healthcare, finance, and SaaS platforms. Achievements include a 25% reduction in operational costs and a 40% enhancement in system performance. Proven track record in mentoring development teams to maintain coding standards and deliver effective solutions.

Skills

Languages & Frameworks

- C#, .NET Core, ASP.NET MVC, Web API
- JavaScript, TypeScript, Angular, React
- HTML5, CSS3, Bootstrap
- **VBA (Visual Basic for Applications)**

Backend & Architecture

- REST APIs, Microservices Architecture
- Entity Framework, ADO.NET, LINQ
- Authentication & Authorization (Active Directory, Role-Based Access)

Databases & Reporting

- SQL Server, T-SQL, Stored Procedures, Views
- SSRS (SQL Server Reporting Services)
- **MS Access (Database Development & Automation)**
- Database Design & Performance Optimization

Enterprise & Integrations

- Active Directory (AD), LDAP
- API Integrations (REST/SOAP)
- SharePoint, Kentico CMS

Tools & DevOps

- Git, Version Control
- CI/CD Pipelines
- Visual Studio, Agile/Scrum

Experience

UCLA Health — May 2023 to Current

Applications Programmer 4

Los Angeles, California

- Designed scalable backend APIs and microservices in C# and SQL Server for complex workflows.
- Developed health plan access platform for UCLA using C# and .NET Core, automating onboarding processes.
- Engineered dynamic EAP request system with rule-based processing for CPT code modifications.
- Automated credentialing, time tracking, and billing processes, enhancing operational efficiency and accuracy.
- Developed PBO time tracking system with Active Directory integration for precise project-based logging.
- Designed Active Directory group lookup tool to streamline user management and facilitate access auditing.
- Led CI/CD deployments, ensuring high system reliability and performance through monitoring.
- Collaborated with cross-functional teams to deliver high-quality software solutions effectively.

Globe Life — July 2020 to May 2023

.NET Developer

- Developed and maintained web applications using C#, ASP.NET, Angular, React, and SQL Server.
- Modernized legacy systems, improving application reliability and maintainability.
- Designed and managed SQL Server database objects including stored procedures, tables, and views.
- Implemented Kentico CMS portals across departments, streamlining content management and supporting lead generation workflows.
- Enhanced public-facing websites and agent portfolio systems, boosting usability and user engagement.

- Troubleshot production issues, delivering enhancements that improved system stability.

Thompson & Knight LLP August 2018 to June 2020
Solution Architect

- Built and maintained enterprise web applications using C#, ASP.NET MVC, Angular, React, and SQL Server.
- Integrated REST APIs and automation workflows to enhance scheduling and system interoperability.
- Developed centralized collaboration platform for document management, enhancing inter-department communication.
- Modernized SharePoint from 2013 to 2016 with custom UI enhancements, increasing user engagement.
- Created company-wide social feed integration during COVID-19, embedding live Twitter and Facebook updates in SharePoint to keep teams informed.

Cinergy Entertainment January 2016 to August 2018
SQL / Web Developer
Dallas, TX

- Optimized SQL Server database performance and automated data imports, enhancing data processing efficiency.
- Designed nightly data processing pipeline to consolidate financial data, enabling real-time revenue visibility.
- Implemented workflow-driven invoice approval system to reduce discrepancies and streamline processing.
- Developed revenue and invoicing management system using C# and .NET Core for multiple theater locations.
- Integrated external systems with Vision Core data imports and digitized invoices, improving invoice accuracy and accessibility.
- Built responsive UI components using JavaScript, jQuery, AJAX, HTML/CSS, and Bootstrap to reduce manual workload.
- Implemented biometric time tracking with thumbprint readers to enhance workforce accuracy.

Robert Half Technology January 2010 to December 2015
Contractor

- Managed multi-client projects, delivering timely implementations that met client expectations.
- Created automated reporting solutions, reducing manual processes and enhancing operational efficiency.
- Developed healthcare and financial data systems using SQL Server, SSRS, and VBA to enhance workflows.
- Provided production support and troubleshooting, increasing system reliability through effective issue resolution.

Education

Collin College
Bachelor of Information Technology: **Information Technology**
Plano, TX

Websites, Portfolios, Profiles

- linkedin.com/in/amylynnpatterson
- https://amybuilds.dev/

Education Certifications

- Continuing Education in Advanced JavaScript, Collin College
- SQL Server Administration Certification, Global Knowledge

- Certifications, Angular, ASP.NET Core, Git, REST APIs

Accomplishments

- Reduced operational costs by 25% by building custom enterprise solutions
- Improved application performance by up to 40% through full-stack optimization
- Led development of enterprise healthcare systems supporting thousands of users
- Reduced deployment time by over 50% through CI/CD pipeline implementation

Personal Information

Title: Senior .NET Full Stack Engineer | Solutions Architect | AI-Driven Systems

Additional

Published author on Amazon Kindle Direct Publishing, Experience across healthcare, finance, and enterprise SaaS platforms

Selected Projects

- Built enterprise Blazor dashboards with real-time analytics and reporting
- Developed AI-assisted workflow automation tools improving productivity
- Created OCR-based document processing systems for data extraction

Tech Stack

C#, SQL, JavaScript, TypeScript, VBA, React, Angular, Blazor, HTML5, CSS3, Bootstrap, .NET Core, ASP.NET MVC, REST APIs, SQL Server, SSIS, SSRS, Azure DevOps, CI/CD Pipelines, Visual Studio, Git, SharePoint, AI-assisted workflows, automation tools, OCR systems