

Andrew Zdyrski

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Professional Summary

Senior software developer and solutions architect with a track record of delivering large-scale, secure, federal applications. Leverages more than a decade of deep expertise in .NET, web frameworks, database design, and DevOps to align technology strategy with organizational goals. Skilled at advising on platform selection, designing resilient infrastructures, and leading cross-functional teams through full-lifecycle development.

Core Competencies

- Enterprise Architecture & Strategy
 - Roadmaps, feasibility studies, analysis of alternatives
 - Infrastructure design, capacity planning, proof-of-concepts
- Application Development
 - C#, .NET Framework, ASP.NET MVC, Entity Framework
 - JavaScript, jQuery, Knockout.js, Bootstrap
- Data Management & Integration
 - SQL Server (2008–2016), Oracle, MS Access
 - REST/SOAP web services, OAuth token-based authentication
- DevOps & Tooling
 - Visual Studio, Team Foundation Server, Octopus Deploy
 - CI/CD pipelines, unit testing with mock frameworks

Professional Experience

Senior Solutions Architect & Software Engineer

Research Management Consultants, Inc. Contracted to U.S. Office of Personnel Management

2009 – Current

Provides architectural leadership and end-to-end engineering for mission-critical OPM systems, including:

- Translating agency business goals into scalable software architectures, roadmaps, and deliverables
- Advising program managers on technology selection, total cost of ownership, and integration strategies
- Conducting analysis of alternatives, ROI studies, and feasibility assessments for new initiatives
- Designing and implementing infrastructure to support high-availability .NET and web applications
- Leading integration efforts so new solutions interface seamlessly with legacy systems and third-party APIs
- Establishing monitoring metrics, reviewing performance data, and recommending iterative optimizations
- Researching and prototyping emerging technologies to demonstrate potential business improvements

Selected Early-Career Roles

Research Intern, Arctic Region Supercomputing Center University of Alaska, Fairbanks

- Performed performance profiling on high-performance computing clusters in a Unix environment

Computer Science Tutor University of Hawaii at Hilo

- Teaching algorithms, data structures, programming methodology and concepts

Intern, HJ Andrews Experimental Forest OSU College of Forestry

- Visualized storm tensor fields in Visual C++ with OpenGL alongside multidisciplinary researchers

Education

Bachelor of Science in Computer Science University of Hawaii at Hilo

Technical Proficiencies

Category	Tools & Technologies
Languages	C#, VB.NET, JavaScript, C++, Python
Frameworks & Libraries	.NET Framework, ASP.NET MVC, Entity Framework
Frontend Frameworks	React, Angular, Vue.js, NodeJS, NPM
Databases	SQL Server (2008–2025), Oracle, MS Access, various no-SQL offerings, T-SQL
Web & Integration	HTML5, CSS3, REST/SOAP, OAuth, Windows Identity Framework
DevOps & Testing	Visual Studio, Git, Octopus Deploy, Mock frameworks
Other Tools	SharePoint, Adobe Creative Suite, Akamai, Google Analytics
AI Driven Development	Experience with various LLMs and local LLM setup and usage

References available upon request