

# MATT ANDERSON

## SENIOR SOFTWARE ENGINEER

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An experienced software engineer specializing in full-stack web development using JavaScript and C#.

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<i>Skills</i>	Design	Development	Deployment
	Able to engage customers, understand requirements, architect systems, and write technical documents.	Proven results designing, building, and shipping a variety of web and mobile applications.	Experience building and deploying from source control and managing production servers.
<i>Technical</i>	C#, JavaScript, TypeScript	Bootstrap, React, Angular	.NET, ASP.NET, Silverlight, Node
	Java, VB.NET, XML, XAML	D3, Leaflet, CSS, HTML	NUnit, Mocha, MSTest
	SQL Server, Oracle, SSRS	Git, Subversion, Jenkins	Neo4j, Postgres, Hadoop

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<i>Experience</i>	<b>Northrop Grumman</b> Software Engineer 3	February 2013 - Present
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Senior software engineer responsible for ongoing development of a textual, audio, and visual data collection, processing, and analysis system used at Wright-Patterson Air Force Base.

Currently building a new user interface in React.js and Redux to replace the existing Silverlight front-end. In addition to supporting present functionality, the new interface will incorporate recently developed tools for mapping geospatial data and displaying data visualizations using Leaflet, D3, and a Neo4j graph database.

Architected and built the user interface for a browser-based search application in React/Redux. The application has been extremely well-received for increasing the exposure of the indexed data across the organization and is scheduled for imminent release to the production floor.

Spearheaded team-wide adoption of numerous best practices, including automated unit and integration testing, automated builds, continuous integration, and usage of recommended design patterns.

Led development projects to implement and integrate the following features and technologies: speech enhancement, language identification, and voice activity detection; geospatial and temporal search and display capabilities; and ingestion and analysis of XML data from external systems. Added support for new mission types, standardized tasks, an RSS feed, and a REST service to ingest data from external systems into a workflow management system.

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<b>F &amp; P America</b> Senior Supervisor	October 2012 - February 2013
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Led a team of three direct reports and two indirect reports comprising the Information and Technology Services department. Responsible for IT needs of a 24/7 manufacturing facility, including network and server maintenance, software development projects, and end-user support. Assisted with long-term strategy, budgeting, and personnel decisions. Project manager for SolarSoft ERP and CEBOS trouble report system implementations.

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<b>The Reynolds and Reynolds Company</b> Supervisor (May 2010 - October 2012)	June 2007 - October 2012
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Managed a team of six developers across multiple platforms, including iOS/iPhone development, corporate web applications, internal benefits enrollment, document solutions, sales support, and inventory tracking. Mentored two new hires who were subsequently nominated for department- and company-wide rookie of the year awards.

Successful projects included an iPhone GPS application, mobile version of corporate support site, new customer billing portal, custom enterprise inventory management system,

implementation of an automated build and deploy process, upgrade of existing applications to .NET 2.0 to 4.0, responsibility for SiteMinder and IdentityMinder access management systems, and ongoing maintenance and support of corporate web applications.

Application Developer (June 2007 - May 2010)

Created a portal framework to display customer support applications as well as a billing application to display customer data and invoices within the portal, enabling migration away from SAP technology. Developed marketing registration sites to facilitate corporate event scheduling and planning, working closely with the events marketing team. Coordinated with corporate and brand marketing to redesign the company website to match new corporate brand standards and added dynamic, database-driven applications. Implemented a custom benefits enrollment system, which replaced a vendor-provided solution, saving tens of thousands of dollars in licensing costs.

Mentored two remote associates as they transitioned from a support roles to development positions. Awarded Software Development Rookie of the Year and nominated for the same company-wide award in November 2007 after only five months of employment. Received a Rising Star award, nominated for company-wide Associate of the Year in November 2009, and was promoted to Supervisor in May 2010.

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<i>Education</i>	Lawrence Technological University - Southfield, Michigan Bachelor of Science in Computer Science Lambda Iota Tau Honor Society, 4.0 GPA
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<i>Clearance</i>	TS/SCI
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