

James E. Taylor II

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I am a results-driven engineer always asking the question "is there a more efficient way of doing this?". With a strong background in management and engineering I seek to incorporate a constant goal of maximizing efficiency combined with problem-solving as a full-stack software engineer, to help solve your enterprise level challenges.

EXPERIENCE

JET SQUARED, LLC

AUG 2015 - PRESENT

OWNER / LEAD DEVELOPER

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{ "stack": [ "C#", "PHP", "WordPress", "Laravel", "MongoDB", "MySQL",  
            "Mautic", "Invoice Ninja", "Angular 5", "Gatsby", "React" ] }
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- WeatherStrike (proprietary custom web app)
 - Google Geocoding API (server side and client side) to geocode addresses - including batch geocoding.
 - Designed data structures to accommodate NWS weather data types.
 - Built eloquent queries for weather events based on geospatial indexes.
 - ETL: Imported 100s of millions of rows of NWS weather data.
 - Cron jobs - automated data imports
 - Vagrant - setup distributed environment for multiple developers.
- Tendon Schedule (AutoCAD plugin): utilized ObjectARX and C# to manipulate and read CAD drawings to calculate and create post-tension take-offs.
- WordPress Examples:
 - Mount Moriah Church (Atlanta, GA) - <https://www.mountmoriahnow.org>
 - Four Corners Group, Inc. - <https://www.fourcornersgroup.net>
Includes: user area, custom forms and custom MySQL tables to manage onboarding volunteers.

BLUE SOMBRERO

OCT 2017 - MAY 2018

SENIOR SOFTWARE ENGINEER

Atlanta, GA

```
{ "stack": [ ".NET core", "Angular 5", "Entity Framework", "RabbitMQ", "SQL" ] }
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- Contributed to this team through the entire Agile development process: standups, bi-weekly code-review, sprint planning, backlog grooming, and story point estimation.
- Researched and implemented a data service pattern with async pipe operators in our 'Angular 5' project.
- This particularly helped us implement reactive-forms (model driven) and allowed our team to move away from ngModel form bindings, to avoid data mutability.
- Recruited to develop an Angular 5 version of our legacy app:
 - Resolved complex technical design issues working with team lead and UI/UX designers.
- Independently developed, tested, and implemented software composed of Angular components, Angular services, RESTful APIs, CQRS, and web services.

TECHNICAL PROFICIENCIES

LANGUAGES

["VB", "C#", "JavaScript",
"Typescript", "PHP", "Ruby"]

LIBRARIES/Frameworks

(BACK END)

[".NET Core", "ASP.Net", "Web API",
"LINQ", "Dapper", "Entity
Framework", "Laravel", "RabbitMQ",
"ObjectARX", "WinForms",
"WordPress"]

(FRONT END)

["AngularJS", "Angular", "React",
"RxJS", "Bootstrap", "jQuery",
"NVD3", "Moment.js",
"Underscore.js", "Knockout",
"HTML5", "CSS3", "Sass"]

DATABASE

["MongoDB", "SQL", "MySQL",
"Stored Procedures"]

TOOLS/PLATFORMS

["Version Control: Git (GitHub,
Bitbucket)", "DigitalOcean",
"Vagrant", "Inno Setup",
"JIRA/Confluence", "Target Process",
"AWS"]

IDEs & EDITORS

["Visual Studio", "Visual Studio
Code", "PhpStorm", "SublimeText"]

ARCHITECTURE DESIGN

PATTERNS

["MVC", "IoC", "Dependency
Injection", "OOP/OOD", "Observer"]

EXPERIENCE (CONT'D)

MDL AUTOMATION SOFTWARE DEVELOPER

DEC 2014 - OCT 2017
Roswell, GA

{ "stack": ["ASP.NET MVC", "AngularJS", "MongoDB", "WinForms", "NServiceBus"] }

- Completed an end-to-end solution (Winforms + Windows service + Web) for monitoring over 200 nationally distributed computers, resulting in a 60% reduction in support staff workload.
 - Developed web content for hybrid mobile app (Razor/Bootstrap 3/JavaScript) built on top of C# REST API. Implemented seamless web/native integration for iOS and Android platforms.
 - Designed and developed web pages for interacting with SQL Server Reporting Services.
 - Implemented Dapper and NVD3 charting library, with click handlers for drill-throughs on charts.
 - Demonstrated and put into use a "Gitflow Workflow" within our development team, which had utilized a "Centralized Workflow" for years prior.
 - Professional experience and familiarity with: Inno Setup, RESTful APIs, Razor, Bootstrap 3, NVD3, Dapper, LINQ, Windows services, MVC5, RabbitMQ
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ROBERT L. WRIGHT & ASSOCIATES, INC. SENIOR STRUCTURAL DRAFTSMAN

SEP 2008 - DEC 2014
HOUSTON, TX (4 Years Remote)

{ "stack": ["AutoCAD", "AutoLISP", "VB.NET", "VBA"] }

- Pioneered our creation of software to automate project workflows:
 - Managed, designed, developed, and implemented programs facilitating internal processes, which resulted in reducing report production time by 85% (e.g. 3 days to 3 hours).
 - Managed the complete software development life cycle: product feature design, developer hiring, project management, product testing.
 - IT responsibilities included: software development, server and workstation management, website creation/management, and technical support.
 - Drafting responsibilities were greatly reduced after 2009 and was replaced by software design and management soon thereafter.
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KLG CORPORATION CAD DEPARTMENT MANAGER

APR 2007 - SEP 2008
CENTENNIAL, CO

{ "stack": ["AutoCAD", "AutoLISP", "VBA"] }

- Designed, developed and implemented:
 - Drafting standards, drafting libraries and company branded templates, which created repeatable processes for draftsmen to follow and eliminated disorganization at each step of a project.
 - Custom AutoCAD plugins, which increased efficiency and reduced drafting times by 10%.
 - Custom AutoCAD and Excel adapter, which automated material cut-lists and hardware takeoffs, eliminating the mistake laden by-hand process.
 - Managed a team of draftspersons ranging from junior to senior level guiding workflow patterns, facilitating meetings, and implemented project management tools.
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EDUCATION

Southern Polytechnic State University
B.S. COMPUTER SCIENCE
Minors: Software Engineering and Information Technology

Luther Rice College & Seminary
Master of Divinity with Languages (*degree in progress*)