

James E. Taylor II

james@jetsquared.com · <https://www.linkedin.com/in/jetsquared> · <https://www.jetsquared.com>

4341 Lower Saucon Rd · Hellertown · PA · 18055

Experienced results-driven software engineer with a management background seeking to bring an engineering, problem-solving mindset in a full stack position to deliver enterprise level software solutions to your clients and business needs.

TECHNICAL PROFICIENCIES

```
{
  "LANGUAGES":      [ "VB", "C#", "JavaScript", "Typescript", "PHP", "Ruby" ],
  "LIBRARIES/FRAMEWORKS": {
    "BACK END":      [ ".NET Core", "ASP.Net MVC & API", "LINQ", "Dapper", "Entity Framework", "Laravel",
                      "RabbitMQ", "ObjectARX", "WinForms" ],
    "FRONT END":     [ "AngularJS", "Angular 2-5", "RxJS", "Bootstrap 3 & 4", "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", "Teamwork Project", "AWS" ],
  "IDEs & EDITORS":  [ "Visual Studio", "Visual Studio Code", "PhpStorm", "SublimeText" ],
  "ARCHITECTURE DESIGN PATTERNS": [ "MVC", "IoC", "Dependency Injection", "OOP/OOD", "Observer" ]
}
```

EXPERIENCE

OCT 2017 – MAY 2018

SENIOR SOFTWARE ENGINEER

BLUE SOMBRERO

{ "stack": [".NET core", "Angular 5", "Entity Framework", "RabbitMQ", "SQL"] }

- 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.

DEC 2014 – OCT 2017

SOFTWARE DEVELOPER

MDL AUTOMATION

{ "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

SEP 2008 – DEC 2014

SENIOR STRUCTURAL DRAFTSMAN / ASSOCIATE

ROBERT L. WRIGHT & ASSOCIATES, INC.

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

ROBERT L. WRIGHT & ASSOCIATES, INC. (CONTINUED)

- 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: 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.

APR 2007 – SEP 2008

CAD DEPARTMENT MANAGER

KLG CORPORATION

{ "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.

ADDITIONAL EXPERIENCE

SEP 2017 – PRESENT

TECHNICAL ADVISOR / LEADER TEAM

FOUR CORNERS GROUP, INC. (nonprofit)

{ "stack": ["WordPress", "PHP", "GoDaddy"] }

- Participates in strategic planning and implements the technical solutions and infrastructure to support their efforts.
- This group positively impacts hundreds of youth yearly that are susceptible to and impacted by our juvenile justice system, including mobilizing and bringing training to churches, schools, and communities to bring awareness, mentor and positively impact these youth for brighter futures.

AUG 2015 – PRESENT

SOFTWARE DEVELOPER / OWNER

JET SQUARED, LLC

{ "stack": ["C#", "PHP", "Laravel", "MongoDB", "Angular 5", "WordPress"] }

- WeatherStrike: utilized Google Geocoding API (server side and client side) to geocode addresses, which was then used to query for weather events based on a geospatial index. NWS weather data. Originally deployed to AWS but chose DigitalOcean in the end as our hosting platform.
 - { "projectStack": ["PHP", "supervisor", "Laravel", "MongoDB", "Google Geocoding API", "Moment.js", "Stripe"] }
- Tendon Schedule (AutoCAD plugin): utilized ObjectARX and C# to manipulate and read CAD drawings to calculate and create post-tension take-offs.
- jet-time-picker: created a custom Angular 5 component modeled after the Material.io date picker.
- WordPress: Mount Moriah Church (Atlanta, GA)

EDUCATION

SPRING 2015

BS, COMPUTER SCIENCE

SOUTHERN POLYTECHNIC STATE UNIVERSITY

Minors: Software Engineering and Information Technology

FALL 1998 – SPRING 2001

MECHANICAL ENGR STUDIES

TEXAS A&M UNIVERSITY