

## Mark Stipich

2747 Lantz Rd. Beavercreek, OH 45434

937.654.4420

mark@netwiseusa.com

## FULL STACK PHP DEVELOPER

Business solutions-driven programmer with 20 year track record of performance for clients in Real Estate, Air Force Research Labs, Chemical Manufacturing, Aerospace Supply Chain Vendors, Automotive Leads Generation, CMS development, Construction Contractors as well as a wide variety of business professionals needing marketing web services and lead generation.

## SKILLS

- Software development for web and mobile
- Coding & Scripting for client and server side solutions
- GUI Design for web / Graphic Design for print
- Video editing
- SEO Best Practices

## TECHNOLOGY SUMMARY

- **Programming (Advanced):** PHP, JAVASCRIPT, JQUERY, HTML, CSS, MYSQL, LUA
- **Programming (Intermediate level ):** JAVA, AngularJS, Python
- **Programming (APIs – javascript & php):** Google APIs ( *Maps-Directions-StreetView-Youtube-Geocoding-Search-Graphing* ), Wordpress, Mapbox Maps (JS/API library), Facebook Developer (JS/API library), D3.js (JS/API library), AWS SES, PHRETS ( *IDX real estate data interface* )
- **Software:** PhotoShop, XCode, Eclipse, Corona Labs, MS Office, Camtasia, Final Cut Pro, Open Office, MS Word
- **Systems:** Linux, Windows, Macintosh OS
- **Version Control:** gitHub, SSH/SFTP, AWS Beanstalk
- **Merchant Services Interfacing:** PayPal, Stripe, 2Checkout, Authorize, Skipjack

## PROFESSIONAL EXPERIENCE

### - The Design Knowledge Company ( *Research / Development for Air, Space, Cyber* )

#### **PROGRAMMER / Front End Developer, June 2018 to July 2019**

Under direction of AFRL personnel, create and customize web based software solutions for client and server-side applications to showcase Air Force Space Program vendors being matured to compete for AF contracts.

Website Front End	Javascript, jQuery, jQueryUI, jQuery (AJAX REST), HTML, CSS, Bootstrap, D3.js (JS/API library), Ckedit (JS/API library), HTML2Canvas (JS/API library), Photoshop	GUI components to facilitate access points to vendor content and login. Graphic design and animation enhancements for aesthetic purposes.
Content Mgt. System Back End	PHP, MYSQL, SSH Terminal error log, AWS beanstalk, git repository versioning	Administrative feature to allow front page content changes.
Task Timeline Tracking	PHP, MYSQL, Javascript, jQuery, jQueryUI, HTML, CSS, Bootstrap, D3.js (JS/API library)	Administrative feature to create and update tasks tracked in mysql database and presented on graphic timeline display.
Satellite two-line element set (TLE) data Uploading system	PHP, MYSQL, Javascript, jQuery, jQueryUI, HTML, CSS, Bootstrap, D3.js (JS/API library)	Administrative feature to allow logged in users access to upload TLE data to local storage. Before uploading, the files will pass a filter to ensure proper format. <b><i>TLEs describe the trajectories of Earth-orbiting objects.</i></b>

Hit Statistics Tracking System	PHP, MYSQL, Javascript, jQuery, jQueryUI, HTML, CSS, Bootstrap, D3.js (JS/API library)	Web traffic pattern tracking storage and presentation on timeline graph.
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**- Netwise LLC ( Website development and hosting solutions provider )**

***Owner / Manager / Developer, June 2003 to Present***

In collaboration with co-owners, develop web solutions for business professionals.

Programming services include all levels of skills outlined in the Technology Summary above.

**The following is a partial list of clients served by Netwise LLC ( completed and ongoing )**

**- Western Regional Information Systems & Technology, Inc. Oct 2016 - Present**

[www.FlyerMakerPro.com](http://www.FlyerMakerPro.com) website provides PDF flyers for active MLS listings to over 800 real estate agents on a monthly subscription basis.

Data Access ( hourly updates )	PHRETS PHP library, Apache cronjobs, MYSQL database	As a third party vendor, I access MLS data and images for all active real estate listings and store in mysql database tables.
Web Front End	Javascript, jQuery, jQueryUI, jQuery (AJAX REST), HTML, CSS, Bootstrap, HTML2Canvas (JS/API library), Photoshop, BBEdit (mac code editor), Notepad++ (pc code editor)	Administrative access to create PDF listing presentation flyers, Facebook html posting and email marketing.
Web Server-side	PHP, MYSQL, phpMailer class, ImageMagik, PHP cURL, FPDF (Apache license), WinSCP (sftp uploader)	PDF output from stored data and images, html pages and email distribution of listing flyers.

**- Real Estate Brokers and Agents ( 1000+ realtors nationwide ) June 2003 - Present**

*Web site development and email services. Content management system, real-time MLS data search engine and mapping of data on Google maps and Mapbox maps.*

Data Access ( 4 Total MLS Data regions )	PHRETS PHP library, Apache cronjobs, MYSQL database, photo storage	Ohio, South Carolina and Arizona MLS regions data and images for all active real estate listings and store in mysql database tables.
Web Front End	Javascript, jQuery, jQuery (AJAX REST), jQueryUI, HTML, CSS, Bootstrap, HTML2Canvas (JS/API library), Google Maps (JS/API library), Mapbox MAPS (JS/API library), BBEdit (mac code editor), Notepad++ (pc code editor), Photoshop (graphics), Final Cut Pro (video editing), MS Word, OpenOffice	Licensed realtor's data is presented for website services including custom content and live listing data controlled by content management system. Manipulation of data to organize and present marketing to buyers and sellers.
Web Server-side	PHP, MYSQL, phpMailer class, ImageMagik, PHP cURL, FPDF (Apache license), WinSCP (sftp uploader)	Database search queries, PDF generation, email marketing, communicating with 3 <sup>rd</sup> party vendors for RESTful services.

**- Cimcool Machine Fluids Company ( www.cimcool.com/home ) Jan 2012 - Present**

*For over 5 years, Cimcool required website development and hosting to provide inventory and SDS sheet data to customers and distributors. The backend system includes Distributor ordering and tracking systems.*

Web Front End	Javascript, jQuery, jQuery (AJAX REST), jQueryUI, HTML, CSS, Bootstrap, HTML2Canvas (JS/API library), Google Maps (JS/API library), Mapbox MAPS (JS/API library), BBEdit (mac code editor), Notepad++ (pc code editor), Camtasia (video presentation), Photoshop (graphics), Final Cut Pro (video editing), MS Word, OpenOffice
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Web Server-side	Wordpress, PHP, MYSQL, phpMailer class, ImageMagik, PHP cURL, FPDF (Apache license), WinSCP (sftp uploader)
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**- Aerospace Vendors ( [www.aerospacevendors.com](http://www.aerospacevendors.com) ) *June 2015 – Aug 2016***

*Marketing outlet to allow searching for thousands of aerospace supply vendors. Provide free and subscription based advertising services to the vendors to allow content managed by the subscribers who upgrade from the free level.*

Web Front End	Javascript, jQuery, jQuery (AJAX REST), jQueryUI, HTML, CSS, Bootstrap, Google Maps (JS/API library), BBEdit (mac code editor), Notepad++ (pc code editor), Photoshop (graphics), Final Cut Pro (video editing), MS Word, OpenOffice
Web Server-side	Wordpress, PHP, MYSQL, phpMailer class, ImageMagik, PHP cURL, WinSCP (sftp uploader)

**- Associate Construction Company ( [www.associateconstruction.com](http://www.associateconstruction.com) ) *June 2013 - Present***

*Since 2015, provide subdivision maps with real-time lot availability and pricing display to the front end as well as PDF printing of maps and availability for back end office purposes.*

Web Front End	Javascript, jQuery, jQuery (AJAX REST), jQueryUI, HTML, CSS, Bootstrap, HTML2Canvas (JS/API library), Google Maps (JS/API library), Mapbox MAPS (JS/API library), BBEdit (mac code editor), Notepad++ (pc code editor), Camtasia (video presentation), Photoshop (graphics), Final Cut Pro (video editing), MS Word, OpenOffice
Web Server-side	PHP, MYSQL, phpMailer class, ImageMagik, PHP cURL, FPDF (Apache license), WinSCP (sftp uploader)

**- Netwise LLC *independent projects:***

New in 2019 ( [www.godrivehome.com](http://www.godrivehome.com) ) provides GPS location based real estate search engine and mapping system on a yearly subscription basis.

## EDUCATION

- 1972 Graduate St Joseph HS
- 1981 Ohio Wastewater Operator Training Class III license
- 1991 Sinclair CC Civil Eng ( 1 1/2 years )
- Continuous self education programming languages and libraries

## REFERENCES

- John Hutton: TDKC Dir. of Aerospace Programs ( 937.427.4276 x177 - [jhutton@tdkc.com](mailto:jhutton@tdkc.com) )
- Foster Reif: TDKC Chief, BDAP JMS Dept. ( 937.427.4276 x111 - [freif@tdkc.com](mailto:freif@tdkc.com) )
- Jim Menges: Co-Owner Netwise LLC ( 937.438.9412 - [jim@safesecurehost.com](mailto:jim@safesecurehost.com) )
- Brian Ratliff: IT Specialist for AFRL ( 937.409.5239 - [brian.ratliff78@gmail.com](mailto:brian.ratliff78@gmail.com) )