

# Nicholas A. Napier, M.S.

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## Senior Full Stack PHP Web Developer, DBA, and Web Systems Engineer

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PHP, OOP, SQL, ReactJS + Node.js, HTML, CSS, JavaScript, Python + Flask, Rest API's, Apache/IIS, jQuery, Azure, Docker, Git

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With 20 years of experience as a full stack PHP developer of commercial eCommerce, academic management, business data management, and defense manufacturing systems, I bring a large skill set and the analysis and design capabilities to manage the full software development life cycle of any project across a wide range of languages, databases, and technologies. I am currently branching out into Azure cloud computing and modern JS and Python tools.

## Experience

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### Web Systems Engineer and Director of Information Systems XPER, Inc., Saxonburg, PA. 2018 - 2021

- Responsible for acting as the technical project manager and sole full stack PHP developer who works directly with the stakeholder teams to design and complete the full life cycle development of complex accounting, KPI, ERP, manufacturing production planning, microcontroller data gathering automation, and secure 3<sup>rd</sup> party facing API systems within my estimated timelines and budgets.
- Acted as lead technology specialist and consultant across all departments in conjunction with IT to ensure that the required project scope is met across the application, data, security, network, and hardware layers.

Key Technologies: PHP, MySQL/MSSQL, HTML, CSS/SASS, JavaScript, Apache/IIS, jQuery, Git, ASP/VB.net

### Web Systems Engineer XPER, Inc., Saxonburg, PA. 2016 - 2018

- Completed the systems analysis and design documentation and full project management roles while providing the back-end and SQL procedural development required for customer facing and internal intranet portal systems using PHP, MySQL/MSSQL, and virtualized IIS server environments.
- Managed a small team composed of a web designer and an ERP administrator to develop PHP based intranet systems that leveraged external and internal secure REST API's and frameworks to produce solutions. Also facilitated overhead cost cutting measures by providing live data-based decision-making tools for the executive teams.
- Managed and developed Sage 500 ERP add-on's and boosted productivity across the board through the implementation of PHP based kiosk data entry devices with barcoding and badging to capture all production data to give the production planning department the information and tools to move into a true visual factory with data-driven scheduling and Kanban management methods.

Key Technologies: PHP, MySQL/MSSQL, HTML, CSS, JavaScript, Apache/IIS, jQuery, Git, ASP/VB.net

### Web Developer XPER, Inc., Saxonburg, PA. 2009 - 2016

- Responsible for the analysis of business logic and the design of complex commercial database driven web-based solutions to meet the demands of the parent company and associated LLC entities using PHP OOP. The development of a true PHP framework allowed for rapid prototyping and library reusability across all future projects. Massive reduction in complexity within the business through LDAP single-sign-on was a major step towards NIST certification for handling secure data sharing across all companies.
- Developed a commercial municipality management system using PHP, Python, and a custom API to allow for field-based sign and asset interaction through a Google Maps API system that provided live scalable overlays for a simple UI to meet the requirements of a federal mandate.

- Duties included the production of all system design documentation for presenting to the executive team for buy-in and the creation of all technical SOP's for posting on the secure document revision control portal that was personally developed to meet ISO certification requirements and as a solution for managing controlled files.

Key Technologies: PHP + Libraries, MySQL, HTML, CSS, JavaScript, Apache/IIS, jQuery/Prototype

## Applications Systems Analyst Programmer Senior

MCTC, Huntington, WV.  
2007 - 2009

- Responsible for the design, system planning, and administration of the custom Marshall Community & Technical College and CCE websites using PHP and relational MySQL databases. Developed a custom CMS to allow users to control all courses and page data through simple integrated WSIWYG forms.
- Utilized the Adobe Suite to design and develop all PHP template driven HTML and CSS interfaces along with all marketing and printable college program brochures and resources.
- Implemented and customized the PHP-based EMAS Recruitment Pro software suite and associated MSSQL database and managed a team of student employees to contact current and potential students. The recruitment project resulted in a 60% increase in enrollment after the first year of marketing efforts.
- Developed data bridges between multiple parent university software systems based on PL/SQL, Oracle SQL, and MSSQL databases to simplify how the MCTC interfaces with data while counseling students.

Key Technologies: PHP + Libraries, MySQL/MSSQL, HTML, CSS, JavaScript, Apache, Prototype

## Education

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### Masters of Science (M.S.) – Information Systems

*Summa Cum Laude*

Marshall University, Graduate College

Huntington, WV.

2007 - 2009

Completed a degree in Information Systems through the Marshall University Graduate College. Studied project management, application systems analysis and design, information security, relational database management and design, algorithmic design, communication and network technology, advanced web development and engineering using PHP, and geographic information systems (GIS). Thesis argued a structure to modernize higher education data management through a single all-encompassing web interface that leveraged multi-database API merging.

### Bachelors of Science (B.S.) – Information Systems

Marshall University, College of Science

Huntington, WV.

2004 - 2007

Earned a degree in Computer Information Technology with a major in web system programming and a minor in Modern Foreign Languages (French). Primary research in software engineering, web development using PHP, ASP, AJAX, SQL, XHTML, and CSS, data structure design in C++, relational database design, advanced mathematics in calculus and statistics, CAD and terra modeling, graphic design, and eCommerce development. Senior project was to produce a college student knowledge sharing tool with a novel and secure AJAX based chat system.

### Associates of Applied Science (A.A.S.) – Information Technology

*Honors*

Marshall Comm. & Tech. College

Huntington, WV.

2001 - 2004

Awarded a degree in Information Technology with a major in programming with an emphasis on web and database design using PHP and MySQL. Studied programming in VB.NET (Visual Basic), internet publishing, hardware and software maintenance and repair, SQL database management, network communications, and technical report writing.

## Certificates and Training

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- NIST and ITAR Management Training (2019)
- QUEST Team Leadership and Meeting Facilitation Training (2009)
- Aries A+ Certified Technician (2001)
- Dell Certified Hardware and Software Technician (2001)

# References

Jeffrey Maynard, P.E.  
Core of Engineers, Engineering and Construction Division, USACE Huntington District

Lead Structural Engineer

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Additional references are available upon request.

