

S E A N P. O. M A C C A T H – M O R A N

Greetings,

By way of introducing my professional qualifications, I'm a [Zend Certified PHP Engineer](#) with over three decades of development experience in a variety of languages, databases and technologies. My employers have ranged from researchers in climate sciences to web start-ups to enterprise web application vendors servicing Fortune 100 companies.

My resume is attached and is viewable at my website, emanaton.com, and I'm [emanaton on d.o](http://emanaton.on.d.o) where a few projects, many patches, and a history of helping others can be found. You can contact me by phone (listed below) between the hours of 8:00am and 9:00pm EST almost any day, or via email any time; I welcome the opportunity to discuss with you how we can achieve our goals together. I'm able to work in both the US and Canada without hindrance, and have a great deal of experience with telecommuting positions. Thank you for your time and your consideration of my application.

Cordially Yours,

Sean P. O. MacCath-Moran

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(877) 622 - 2284, ext 710 (voice/fax/messages)

SEAN P. O. MACCATH – MORAN

QUALIFICATIONS RANKED AS: BEGINNER, INTERMEDIATE, ADVANCED, EXPERT » DATE: LAST REGULAR USE OF SKILL OR 'CURRENT'

Programming Language

PHP (*Zend Certified*) » Expert » Current
OO JavaScript » Expert » Current
C# » Intermediate » Aug 2019
node.js » Intermediate » Aug 2019
Unity (C#) » Beginner » Mar 2013
Java » Intermediate » Aug 2010
Ruby / Ruby on Rails » Intermediate » Dec 2009
Perl » Advanced » Aug 2007
ASP » Advanced » Aug 2007
C++, C# (.net) » Intermediate » May 2006

Drupal (9, 8, 7, 6, and a bit of 5)

Custom Module Development » Expert » Current
Custom Theming » Advanced » Current
Views » Expert » Current
Migration (*from D6/7/8, Wordpress, APIs, etc.*) » Advanced » Current
Config » Expert » Current
Apache SOLR » Expert » Dec 2018

Other Framework / CMS

Laravel » Advanced » Aug 2019
WordPress » Intermediate » Mar 2013
Joomla » Intermediate » Jun 2011
Zend Framework » Advanced » Aug 2010
Savant3 » Expert » Aug 2007

Paradigm

Adaptive Design » Advanced » Current
AJAX (*w/JSON, DHTML, etc.*) » Expert » Current
E-Commerce » Expert » Current
MVC (*Model View Controller*) » Expert » Current
SEO » Advanced » Current
OOD (*Object Oriented Design*) » Advanced » Current

Markup

CSS (*w/LESS, SASS, etc.*) » Expert » Current
HTML / XHTML » Expert » Current
DOM / XPath » Expert » Current
YAML » Expert » Current
DocBlock » Advanced » Current
XML » Advanced » Current
MediaWiki » Expert » Mar 2013
Twiki » Expert » Mar 2010

SLDC Tools

Github (*Admin & User*) » Advanced » Current
BitBucket (*Admin & User*) » Advanced » Current
Jira/Confluence (*User*) » Advanced » Current
Jenkins » Intermediate » Current
Buildkite » Beginner » Current
Zoho (*User*) » Intermediate » Mar 2018
Redmine (*Admin & User*) » Advanced » Mar 2013

Office / Interpersonal

Technical and Business Writing » Expert » Current
Telecommuting (*tech., scheduling, etc.*) » Expert » Current
Team Management » Advanced » Current
Scrum / Agile » Advanced » Current
Customer Management » Advanced » Current
Tutoring / Mentoring (*one-on-one and group*) » Advanced » Current

Environment

LAMP » Expert » Current
Apache » Expert » Current
AWS » Intermediate » Current
DNS / Domain Maintenance » Advanced » Current
Docker/ddev » Intermediate » Current
Gimp » Intermediate » Current
Vagrant » Intermediate » Nov 2018
Nutch » Intermediate » Nov 2015
Photoshop » Intermediate » Oct 2015
CruiseControl » Advanced » Oct 2009
IIS » Intermediate » Oct 2007

Client-Side Libraries

jQuery » Expert » Current
Ext JS » Advanced » Mar 2013
Sencha Touch » Intermediate » Mar 2013
Dojo » Beginner » Dec 2009
Script.aculo.us » Expert » Aug 2007
Prototype.js » Expert » Aug 2007

Source Control

GIT (*Admin & User*) » Expert » Current
SVN (*Admin & User*) » Expert » Nov 2015
CVS (*User*) » Advanced » Mar 2010
Perforce (*Admin & User*) » Advanced » Mar 2003
Source Safe (*User*) » Advanced » Oct 2003

Database

MySQL » Expert » Current
Solr » Advanced » Dec 2018
MS SQL » Advanced » Dec 2018
Mongo » Beginner » Mar 2013
SQLite » Advanced » Dec 2009
Oracle (*ver. 9 to 11*) » Intermediate » Dec 2009

IDE

PhpStorm » Expert » Current
VIM » Expert » Current
any old text editor (*e.g. Kate, Notes, etc.*) » Expert » Current
Visual Studio Code » Intermediate » Aug 2019
Eclipse / PDT » Advanced » Dec 2009
IntelliJ IDEA » Advanced » Dec 2009
Zend Development Environment » Advanced » Jan 2007
Dreamweaver » Expert » Jan 2007
Visual Studio » Advanced » Jul 2006

Operating System

macOS » Advanced » Current
Linux (*Debian, RPM, KDE, etc.*) » Advanced » Current
Windows (7, 8, 10) » Advanced » Current
Android & iOS (*for site testing*) » Intermediate » Current
OS 9 / OS 10 / OS X » Intermediate » Dec 2009
Windows (*Vista, XP, NT, 2000, 98, 95, 3.11, 3.0*) » Advanced » Jul 2000
Unix & Novell » Intermediate » May 1999

Legacy (inactive skills)

Visual Basic (*6.0 to .net*) » Advanced » May 2007
ColdFusion » Intermediate » Mar 2001
COBOL (*PL/B*) » Advanced » Jul 2000
MS Access (*VBA*) » Advanced » Jul 2006
Dbase » Intermediate » Jul 1996

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OBJECTIVE

To build long-term relationships with compelling people and businesses as a web applications engineer, particularly within LAMP environments.

EDUCATION

Zend Certified Engineer

Zend Technologies, Inc. » 2006

Bachelor of Science in Computer Science

University of Maine » 2006

Associate of Science in Computer Information Systems

John Wood Community College » 1998

Certificate in Computer Information Systems

John Wood Community College » 1998

EXPERIENCE

My career as a professional application engineer began as a developer creating databases for the US Navy and continues more than twenty years to my current position as a Zend PHP Certified Engineer working in Drupal. What follows is a brief explanation of my accomplishments in each of the roles I've filled over that time.

Senior Web Application Engineer

Forum One » Alexandria, VA, USA » October 2018 ~ Current

My initial work at Forum One focused on providing multiple clients rapidly developed solutions to complex issues, ranging from simplifying a non-maintainable contextually responsive Hero Blocks system into a single terms-driven module, or adding/extending features of a data-reporting API, or maintaining and expanding an AWS lambda functions, or implementing from scratch secure file transfer protocols between disparate servers/clients. My proficiency and utility landed me a position with the highly demanding HRSA support contract, where I continued to create custom solutions ranging from a fluid organization charts system, to a highly dynamic US Map module (providing multiple means of linking or popping up info for states and/or regions), to creating a simplified system for narrowing down and viewing specific health statistics from a massive dataset, ... and that list goes on for a while. The work there was diverse, interesting, and challenging, and required "Public Trust" clearance.

LAMP (LINUX APACHE MYSQL PHP), DRUPAL (7, 8, & 9), DOCKER/DDEV, APACHE SOLR, OO JAVASCRIPT, MYSQL, LARAVEL, VISUAL STUDIO CODE, NODE.JS, AMAZON WEB SERVICES (AWS), VAGRANT, DOCKER, JENKINS, BUILDKITE, TELECOMMUTING, MENTORING, CSS, GIT, TECHNICAL AND BUSINESS WRITING

Senior Web Application Engineer

Qase » Vancouver, British Columbia, Canada » May 2018 ~ October 2018

Worked with small team to rapidly implement every aspect from the QASE site, focusing particularly on integrations with third-party vendors (video, payment gateway, etc.), on executing design decisions made by core team, and on mentoring team members.

LAMP (LINUX APACHE MYSQL PHP), DRUPAL (7 & 8), APACHE SOLR, OO JAVASCRIPT, LARAVEL, MYSQL, MSSQL, TELECOMMUTING, MENTORING, CSS, GIT, TECHNICAL AND BUSINESS WRITING

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Senior Web Application Engineer

New Target » Alexandria, VA, USA » December 2015 ~ March 2018

My initial tasks at New Target consisted largely of rapidly developing simple solutions for a variety of client needs and debugging existing projects, but I shortly moved on to work developing a complex Drupal based CRM from scratch for a high profile AFL-CIO affiliate, with my primary responsibility being the design and creation of “Data Exchange” (a complex and flexible system for rapidly collating data from disparate sources and making the same available in various forms) and with implementing a complex and highly responsive SOLR data store serving as the backbone for the CRM. I transitioned slowly out of this project, working part time and as needed to help spin up new resources and troubleshoot any particularly complex issues.

LAMP (LINUX APACHE MYSQL PHP), DRUPAL (7 & 8), APACHE SOLR, OO JAVASCRIPT, LARAVEL, MYSQL, MSSQL, TELECOMMUTING, MENTORING, CSS, GIT, TECHNICAL AND BUSINESS WRITING

Senior Web Application Engineer

Phase2 » Alexandria, VA, USA » March 2013 ~ October 2015

My work at Phase2 is diverse and engaging, with projects ranging from the NCAA's upgrade from Drupal 6 to 7, to maintaining and expanding The Nation's web services, to building out the Georgia Tech Authorities' multi-site Drupal installations, to building and maintaining projects for drupal.org (e.g. I've recently become co-maintainer of the Context project), and a metric whack of others. In order to overcome the limitations of a client's hosting provider, I created a “Nutch for Drupal” module that incrementally crawls sites on cron and creates stubbed nodes, and which rewrites that content's URL to the external address when they're indexed in to SOLR.

LAMP (LINUX APACHE MYSQL PHP), DRUPAL (6, 7, & 8), APACHE SOLR, NUTCH, OO JAVASCRIPT, MYSQL, VAGRANT, JENKINS, TELECOMMUTING, MENTORING, CSS, GIT, TECHNICAL AND BUSINESS WRITING

Senior Web Application Engineer

theREDspace » Bedford, Nova Scotia, Canada » Aug 2010 ~ March 2013

The "Rich Experience Development" (that being the "RED" in the title) that I performed was centered on the analysis and coding of complex LAMP applications required by our enterprise level clients (Sony, MTV, College Humor, etc.). Most of the work by my team was conducted in the Drupal CMS, requiring a wide range of expertise both within and outside of this CMS. These include deep module development, complex Apache SOLR integration, and various highly customized theme work; e.g. I'd implemented Sencha Touch as an extension of the base theme system for a Fortune 100 client. Additional duties include team leading and training, occasional work in QA, technical documentation, database development, and various other technical tasks. I began that post as a telecommuter from the States and subsequently moved to Nova Scotia to continue the work on-site before transitioning back in to telecommuting.

LAMP (LINUX APACHE MYSQL PHP), DRUPAL, APACHE SOLR + NUTCH, OO JAVASCRIPT, MYSQL, TELECOMMUTING, PROJECT MANAGEMENT, MENTORING, CSS, GIT, SVN, JENKINS, SENCHA TOUCH, TECHNICAL AND BUSINESS WRITING

Contract Web Application Developer

Consumer Search » New York, New York, USA » Oct 2011 ~ April 2013

Initially hired on to supplement the core team, my work at Consumer Search so far includes creating a custom SOLR interface in node.js, planning and implementing migration processes between various versions of Drupal 6 and 7, designing and creating numerous administrative and customer facing interfaces, and many other tasks.

LAMP (LINUX APACHE MYSQL PHP), DRUPAL, APACHE SOLR, NODE.JS, OO JAVASCRIPT, MYSQL, TELECOMMUTING, MENTORING, GIT, TECHNICAL AND BUSINESS WRITING

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Web Application Engineer (Drupal)

Bonnier Corporation » Winter Park, Florida, USA » Mar 2010 ~ Aug 2010

I began this contract as the sole engineer responsible for the Travel Group sites (e.g. www.caribbeantravelmag.com, www.destinationweddingmag.com, www.spamagazine.com, etc.) but on my second month was asked to train up an in-house Java developer as my replacement and became the sole engineer for the fast-paced Bonnier Marine Group sites (e.g. www.boatingmag.com, www.flyingmag.com, www.sailingworld.com, etc.). When tasked with re-creating a Java-based search UI in Drupal for use in a specific site search, I took my usual "re-use focused" approach and constructed a generic and highly configurable node-based module, which now can be used by other teams to configure and implement similar search interfaces with ease.

LAMP (LINUX APACHE MYSQL PHP), DRUPAL, APACHE SOLR, OO JAVASCRIPT, MYSQL, TELECOMMUTING, MENTORING, CSS, SVN, MANTIS, TECHNICAL AND BUSINESS WRITING

Web Application Engineer (Drupal)

Team Detroit » Dearborn, Michigan, USA » Jan 2010 ~ Mar 2010

Lead a three-man team in the rapid implementation of a complex, highly professional, time sensitive, user-interaction-oriented, Drupal-based website: www.warrior.com. Per my contract, my team completed phase one of the project, designed and began the implementation of the second/final phase, and successfully handed this off to the in-house team to complete.

LAMP (LINUX APACHE MYSQL PHP), DRUPAL, MYSQL, CVS, OO JAVASCRIPT, CSS, TECHNICAL AND BUSINESS WRITING, TEAM MANAGEMENT, MENTORING

Core Web Application Engineer & Internal Tools Developer

WorkForce Software » Livonia, Michigan, USA » Jul 2007 ~ Dec 2009

I worked in a key role on the Web-Dev Team, recoding our core product from an old 'web 1.0' status into a dynamic and well-designed 'web 2.0' application, simultaneously upgrading its functionality as per design specifications and customer demands. I then accepted the opportunity to work several months in the Implementation-Consultant Team (IC) in order to learn how that side of the business operates, and realized that the in-house tools available for completing that work was substandard and inadequate. With this in mind, I proposed the implementation of an Internal Tools Team, and became a founding member of that group.

There, I applied my newly gained IC knowledge to design, spec, and build internal-use applications. What tools already exist had been created in a catch-as-catch-can method, resulting in a disregard for standards and maintainability. By carefully designing Wiz (Workforce Injected Zend [Framework]), I created a highly flexible foundation upon which to build all other WorkForce internal applications going forward; Wiz cares for all common functionality (e.g. LDAP login, ACL, layout, menu, user settings, etc.) freeing designers and developers to concentrate on core functionality without being bogged down by mundane details.

LAMP (LINUX APACHE MYSQL PHP), OO JAVASCRIPT, ORACLE, JAVA, CSS, TESTTRACK, P4V (PERFORCE), CODE COLLABORATOR, ECLIPSE, INTELLIJ IDEA, ZEND FRAMEWORK (AND ZYM), TECHNICAL AND BUSINESS WRITING, TEAM MANAGEMENT, MENTORING

Web Application Developer

Michigan Network Services » Lake Orion, Michigan, USA » Jun 2008 ~ Jun 2009

After scrutinizing the core business processes of this telecommunications services company and their "Toolkit 2" project, I designed and coded "Toolkit 3" to handle their specialized needs. This application tracks order fulfillment processing from initial customer contact through each step of its processing up to final verification and issue closure. Part of the design challenge was creating a system that allowed internal developers to code proprietary processes and attach them to steps in the tracking system such that any errors were handled and reported gracefully.

LAMP (LINUX APACHE MYSQL PHP), ZEND FRAMEWORK (AND ZYM), OO JAVASCRIPT, ECLIPSE, TELECOMMUTING, MEDIAWIKI, TECHNICAL AND BUSINESS WRITING

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Web Application Engineer

InterServ » Soutuhfield, Michigan, USA » Feb 2007 ~ Jul 2007

My primary task here lay in recovering the "Coverage For One" project, which had previously been contracted for completion with an outside vendor. After evaluating the code and finding it non-OO, non-secure, buggy, and poorly-conceived overall, I elected to write the application from scratch using the original specs and a strict OO / MVC design. I completed the code ahead of schedule but still finished my contract by implementing new feature requests. The new "Coverage For One" tool simplifies the complex business rules of Michigan Blue Cross / Blue Shield, questions potential customers about their insurance needs, analyses their answers, and branches to appropriate options that guide them to the product that best suits those answers.

PERL, LAMP (LINUX APACHE MYSQL PHP), CSS, MSSQL, SVN, SEO, OO JAVASCRIPT, TECHNICAL AND BUSINESS WRITING

Web Application Engineer

RainStorm Consulting » Orono, Maine, USA » Dec 2005 ~ Jan 2007

In this role I was a member of a small team building Site Turbine, a suite of web-based modules for extending customer websites. When I joined RainStorm, the team was working hard to finish various core modules before a promised release date. I assisted this effort by volunteering to join the team developing the online shopping cart with its configurable payment gateway, all while simultaneously working on and completing coding projects for RainStorm. Upon finishing the base set of modules, we implemented the solution with many customers and the Site Turbine project continues to perform very well in the marketplace.

LAMP (LINUX APACHE MYSQL PHP), CSS, OO JAVASCRIPT, SCRIPT.ACULO.US / PROTOTYPE, SVN, CVS,
ZEND DEVELOPMENT ENVIRONMENT, SAVANT3

Web Application Developer

Climate Change Institute (University of Maine) » Orono, Maine, USA » May 2004 ~ Jul 2006

While completing my Bachelor of Science in Computer Science, I worked on several internal-use and customer-facing projects, including a bibliography parsing and cataloguing system, a public use guide to the attractions on Maine's Ice Age Trail and a database front end providing the ability to make complex queries against the "Old Weather" dataset (weather entries transcribed from old journals spanning the late 1600s to the early 1800s).

LAMP (LINUX APACHE MYSQL PHP), OO JAVASCRIPT, CSS, DREAMWEAVER, TELECOMMUTING

Core VB/MS-SQL Application Developer

Advanced Data Systems » Bangor, Maine, USA » May 2001 ~ Oct 2003

Here I developed the Data Interface Module for ProFund SeQuel, ADS' core "fund-based accounting" application. This module allows data to be mapped into or out of its databases in controlled and auditable processes. Upon rolling out the change, our sales team reported unexpected success signing customers who were currently using a competitor's product.

ASP, VISUAL BASIC (6.0 TO .NET), VBA, MSSQL, ACCESS, SOURCE SAFE, CRYSTAL REPORTS, IIS,
TECHNICAL AND BUSINESS WRITING

Programmer Analyst

Osmose Inc. » Buffalo, New York, USA » Jul 2000 ~ Mar 2001

Designed and developed various in-house data storage and querying tools for the sales and development teams.

VISUAL BASIC, ACCESS, VBA, MSSQL, MYSQL, TECHNICAL AND BUSINESS WRITING

Programmer Analyst

Cathedral Corporation » Buffalo, New York, USA » May 1999 ~ Jul 2000

Migrated existing PL/B (a COBOL-like language) data management system to Visual Basic and Access.

PL/B COBOL, PL/B DB (INDEXED FILES), IBM AIX, COLDFUSION, VISUAL BASIC, ACCESS

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Interim IT Manager and Network Administrator

Avery Dennison » Buffalo, New York, USA » Sep 1998 ~ May 1999

When this paper products distributor unexpectedly lost both its long-time network administrators it became my task to keep the servers and their various interdependent operations up and running until replacement administrators could be hired. Though unfamiliar with the operating systems or their processes, I was able to keep their network running smoothly for the term of my contract, performing minor updates and repairs as needed.

UNIX, LINUX, PICK (AIX), ACCESS, VISUAL BASIC

Computer Technician

Illinois Veterans Home » Quincy, Illinois, USA » Feb 1998 ~ Aug 1998

While completing my Associate of Science in Computer Science, I developed an incident tracking database for the Security Office at the Illinois Veterans' Home. I also installed software, network and phone lines, and hardware for NT and WANG servers as directed by the IT Manager.

ACCESS, VISUAL BASIC

Computer Technician

John Wood Community College » Quincy, Illinois, USA » Aug 1996 ~ Aug 1998

Also while completing my Associate of Science in Computer Science, I worked for the Computer Services department performing all manner of maintenance tasks. Notably, I rewired the entire main campus during my stay, replacing the old coaxial cable with with Cat-5, running fiber optics between each of the data centres, all resulting in a dramatic increase in network throughput for students and faculty.

UNIX, ROUTERS, HUBS, SWITCHES, CAT 5, COAXIAL, FIBER OPTICS

Boatswain's Mate 3rd Class

United States Navy » USS L. Y. Spear (AS 36), Norfolk, Virginia, USA » Jul 1992 ~ Jul 1996

Upon being assigned to the Spear, I reported to Deck Department and found them maintaining all of the personnel records, watch bills, and other paperwork by hand or typewriter. When my computer skills became known to my officers, I accepted the opportunity to shift to an administrative position and shortly developed a personnel information and qualifications database in MS Access and automated much of the day-to-day running of the department.

ACCESS, VBA, WORD PERFECT

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AWARDS

John Wood Community College

Trustee Merit Full Tuition Scholarship
Who's Who Among Students in American Junior Colleges
Dean's List
Student Support Services Recognition Award

United States Navy

Awarded the **Navy Achievement Medal (NAM)** for my decisive action preventing serious damage to numerous submarines.

SECURITY CLEARANCES

United States Navy

Jul 1992 ~ Jul 1996
Held "Confidential" clearance while serving in the US Navy.

Forum One – HRSA Contract

Jul 1992 ~ Jul 1996
Held "Public Trust" clearance along with an associated PIV card for accessing secured government sites and services.

CONTACT

Thank you for giving me the opportunity to present my skills to you. I'm authorized to work in the U.S. and in Canada without hindrance. Please contact me soon to discuss the ways I can immediately fulfill your needs. I am most available between the hours of 8:00am to 9:00pm EST.

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