Sean Morris

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My goal is to identify and create solutions for challenging technical business needs. I write re-usable, maintainable code, and have a strong passion for the Web and its surrounding technologies. I had my first website in 1998, and started my career in 2007 while I was still a teenager, directly after high school.

Automattic Inc. - Specialist Consultant

October 2023 - Present, New York, NY (Remote)
- Contracted to work on WordPress Playground, which is built on **php-wasm**, an open source project I created in 2020 to run php right in the browser, Nodejs & CloudFlare.
- Contributed to React based front-end tools such as the WordPress Playground GUI.
- Fixed various C-lang & Javascript memory-management issues related to the custom implementation of the project in high volume use-cases.
- Pioneered the effort to get php-wasm running in CloudFlare with PDO/D1 SQL support & to get php-wasm running in service workers under cgi-mode.
- Integrated artificial intelligence trained on Blueprints to generate fully operational WordPress sites from plain English in seconds right in the "WP Blueprint Builder" GUI.

LexisNexis Risk / Korn Ferry - Consultant

August 2022 - August 2023, New York, NY (Remote)
- Maintained & developed Laminas and Laravel PHP applications with React JS front-ends.
- Designed applications and deployment strategies for Node JS apps running under Azure Kubernetes.
- Migrated existing services from Apache Kafka to Azure EventHub.
- Developed strategies to integrate automated testing & deployment procedures with Azure infrastructure.
- Re-vamped Docker services to expose the underlying process and ensure Kubernetes observability.

InvertedTech / Timcast - Lead Engineer

April 2020 - July 2022, Knoxville, MD (Remote)
- Built tools to create & maintain "decentralized" social media web presence, *supported* by blockchain but independent of cryptocurrency.
- Developed libraries & tools to interface with "Federated" social networks like Mastodon.social & Element.io via the ActivityPub & Matrix protocols respectively.
- Educated team on tools like Jira and extolled the virtues of an Agile, sprint-based development process.
- Wrangled business-oriented teammates to help develop requirements, document them, and translate them into user stories.

JCDecaux North America – Engineer

May 2019 – March 2020, New York, NY
- Developed advertising & ad-maintenance services written in Laravel running in Docker.
- Wrote migration & data collection services using KSQL to import data into said Laravel systems.
- Created & maintained Laravel API layer to exchange data with an Android app.
- Maintained existing versions of above software in CodeIgniter prior to migration.
- Responsible for implementing Docker based deployment strategies for above.

MTV / LTI Consulting – Consultant

2017 – 2018, New York, NY
- Maintained and supported a PHP system that orchestrates the download, classification, transcoding, and distribution of video files from multiple labels.
- Spearheaded a component-by-component update of said system.
- Built & maintained an Angular front-end for the above system that allows internal users to track the progress of videos through the system, and re-prioritize said videos when necessary.

The Stella Group – Consultant
2016 - 2017, Garden City, NY
- Architected 2 new projects from the ground up focused on health care marketing automation, analytics and reporting.
- Modernized legacy PHP/MySQL applications in CodeIgniter & tasks in RabbitMQ and SupervisorD & Docker.
- Instituted a one-click deployment strategy using GitHub Actions & Jenkins.

Martha Stewart Living Omni media / Meredith Corporation – Engineer
2013 - 2016, New York, NY
- Spearheaded the back-end overhaul initiative for the "MSLO American Made" program (an annual competition for businesses), which resulted in a more streamlined system suited to re-usability from year-to-year.
- Created and managed PHP/MySQL APIs to facilitate a "headless Drupal" system which used APIs & a frontend Javascript application to serve pages of aggregated data from multiple sources.
- Built, ported and supported features in multiple Drupal stacks.

Acotel Inc – Engineer
2011 - 2013, New York, NY
- Maintained PHP/MySQL billing and subscription management system serving upwards of 800,000 users in multiple countries, allowing users to access their accounts via multiple channels including the Web or SMS (text messaging).
- Developed PHP OOP components from the ground up to augment existing systems.
- Developed internal tools to allow various departments to interact with aspects of the system, such as sales statistics overviews and administration dashboards.

ArkNet Media Inc – Junior Engineer
2007 - 2011, Valley Stream, NY
- Developed and maintained PHP/MySQL applications geared toward e-commerce.
- Created custom web crawlers in Perl to monitor and compare competitor's pricing and catalog changes.
- Leveraged Perl, Tesseract OCR, and web crawlers to process hand scanned product catalogs into a web-ready product database.
- Collaborated with the marketing department to create custom reports integrating Google Adwords/Analytics data.

Links:

Personal Site:

https://seanmorr.is

Packagist:

https://packagist.org/packages/seanmorris

npm:

https://www.npmjs.com/~seanmorris

GitHub:

https://github.com/seanmorris

Skills:

Languages:
C, PHP, JavaScript, NodeJS, Perl, Bash, Ruby, Python, Lua.

Frameworks:
Laravel, Laminas, Drupal, React, Angular, Rails.

Databases:
MySql & MariaDB, PostgreSQL, Redis, KSQL.

Building/Integration/Testing:
Git, GitHub, & Github Actions, NodeJS & npm, Brunch.io, Babel, Jenkins, SimpleTest, TravisCI.

Infrastructure Management
Docker, Docker Compose & Kubernetes, Terraform, RabbitMQ, SupervisorD.

Misc Tools and Technologies:
Composer, Cloudflare, Wrangler, Terraform, LetsEncrypt/CertBot, Apache Server, Nginx, Kafka, EventHub, Twilio, MapBox, BrainTree, APIs for Google Calendars & Maps, Akamai, Amazon AWS (EC2 and S3).