

# NATHAN HARRIS

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## Summary

Drupal Developer with 12 years of experience building Drupal 6, 7, 8, & 9 applications and 20 years of experience doing Full Stack development. Comfortable doing front-end work, back-end work, and building full Drupal applications A to Z. Open to full-time employment or contract-based work.

## Education and Training

B.S. Computer Engineering, WVU

Drupal 7: Certified Developer

Drupal 8: Certified Developer

Drupal 9: Certified Developer, Certified Front-end Specialist

## Drupal Development

**Custom Module Development:** Coding Standards, Routing System, Dependency Injection/Services, PHP Debugging, Familiarity with various APIs: Authentication, Cache, Configuration, Database, Entity, Form, Web Services, Render, Translation, etc...

**Theming:** Custom Theme Development, Responsive Design, Layout Builder, Display Suite, Twig, Front End Debugging

**Site building:** Configuration Management, Familiarity with common core and contrib modules: Views, Search API, Display Suite, Layout Builder, Webform, Paragraphs, Devel, etc...

**Optimization:** Drupal Caching, Redis, Varnish, S3/CloudFront, Query Optimization

**Security:** Coding Standards, Version/Module Updates, Automated Backups, CloudFlare, Contrib Modules: Security Review, Coder, Password Policy, Automated Logout, etc...

**DevOps:** Acquia Site Factory, Pantheon, Docker, GitHub, Jenkins

## LAMP/LEMP Development

**UI:** SASS, Compass, Bootstrap, Foundation, Ionic, jQuery, gulp.js, Pattern Lab, Sketch, Photoshop

**PHP:** Object-Oriented Programming, Composer, Symfony, Laravel, PHPUnit, PHPStan

**MySQL:** Data Modeling, Views, Stored Procedures, Query Optimization, Replication

**Linux:** Apache, Nginx, Bash Scripting, Basic Systems Administration

## Experience

### **Mobomo LLC, Vienna VA**

*Software Engineer / 2019 - present*

- Developed custom modules for the Voice of America (VOA) platform
- Led front end development on a custom theme for the VOA platform
- Utilized tools to manage code deployments: GitHub, Tugboat, CircleCI, Acquia Site Factory
- Collected requirements from VOA managers and editors
- Demonstrated new functionality to VOA managers, editors, and QA
- Collaborated with Middle East Broadcast Network (MBN) team to merge work from VOA into the MBN platform

### **NRHWorks Owner & Tech Lead / Freelance Software Development**

*Freelance Software Engineer / 2002 - present*

- Built and trained a team of developers
- Acquired clients
- Collected requirements, prepared specifications, and estimated project timelines and budgets
- Led development on numerous projects
- Worked directly with clients and as a sub-contractor for several development agencies
- Completed or contributed to approximately 100 projects
- Notable projects: visitpa.com, preferredhotels.com, timesquarenyc.org, playon.tv, gmeded.com, lymphedivas.com, sais-jhu.edu, sproutonline.com & observer.com
- Full portfolio: <http://www.nathanrharris.com/portfolio>

### **Investor Place Media**

*Senior Software Engineer / 2008 - 2010*

- Maintained network of financial web sites using a custom Perl CMS and Movable Type
- Wrote Perl code to support the custom Perl CMS
- Built new sites using a custom Perl CMS
- Built new sites using a Movable Type CMS

## **Democratic National Committee**

*Software Engineer & DBA / 2004 - 2008*

- Wrote MySQL queries, views, and stored procedures for Data Mart (voter information database)
- Managed distribution of voter email lists to vendors during the 2004 Presidential Election
- Performed maintenance and development on Demzilla (FEC/donation management system) using Perl and XMLComma
- Generated monthly FEC and best-efforts reports using Demzilla
- Created procedure for generating targeted email lists from Democrats.org's 10 million record contact database
- Developed PHP based intranet applications for the DNC's Political, Tech, and Press departments as well as state Democratic party offices

## **WVHTC Foundation**

*Software Engineer / 2001 - 2004*

- Worked as a Web Developer intern while attending WVU
- Designed and built [www.wvhtc.org](http://www.wvhtc.org) (2001)
- Designed and built [www.vctechlink.com](http://www.vctechlink.com) (2002)
- Designed multiple applications for the Office of Naval Research
- Coded the UI for multiple applications for the Office of Naval Research
- Wrote back-end code working with a small team of developers on multiple applications for the Office of Naval Research

## **References**

Professional references are available upon request.