

# NATHAN HARRIS

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## Summary

Drupal Developer with 15 years of experience building Drupal 6, 7, 8, 9 & 10 applications and 25 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

Acquia Drupal 7: Certified Developer

Acquia Drupal 8: Certified Developer

Acquia Drupal 9: **Certified Grandmaster** (Developer, Front-end Specialist, Back-end Specialist)

Certified Scrum Master

## Drupal development

**Custom module development:** Custom Block Types, Custom Field Types, Dependency Injection/Services, Authentication, Caching, Configuration, Database/Entity APIs, Form API, Web Services, Translation, Custom Drush commands, Batch Processes, Routing API, Plugin API/Annotations

**Theming:** Custom Theme Development, Layout Builder, Display Suite, Twig, jQuery, Responsive Design

**Site building:** Configuration Management, Views, Search API, Paragraphs, Devel Module

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

**Security:** Version/Module Updates, Automated Backups, CloudFlare, Coder Module

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

**Migration:** Drupal 7 => Drupal 10, WordPress => Drupal 10, Custom CMS => Drupal 10

## LAMP/LEMP Development (Linux, Apache/Nginx, MySQL, PHP)

**UI:** Tailwind, SASS, Bootstrap, Foundation, Ionic, jQuery, Story Book, Pattern Lab, Sketch, Figma

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

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

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

## Experience

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

*Technical Supervisor, Software Engineer / NASA / 2021 – present*

- Performed development on Flagship and Horizon Design System applications (WordPress updates for nasa.gov and science.nasa.gov)
- Conducted content audits for legacy sites being migrated into Horizon Design System.
- Performed operations and maintenance on nasa.gov and science.nasa.gov (headless Drupal 7 / ember.js)
- Performed development, operations, and maintenance on standards.nasa.gov (Drupal 10)
- Migrated standards.nasa.gov data (Drupal 7 => Drupal 10)
- Built Send Your Name to Space application: [www3.nasa.gov/send-your-name-with-artemis/](http://www3.nasa.gov/send-your-name-with-artemis/)
- Built Flight Log application: [www3.nasa.gov/flightlog/](http://www3.nasa.gov/flightlog/)
- Coordinated with operations to manage monthly deployments for nasa.gov and science.nasa.gov (EC2, Route 53, S3, Jenkins, Code Commit, Lambda, CloudFront)

*Software Engineer / Voice of America / 2019 – 2021*

- 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 - 2020*

- 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: [uclahealth.org](http://uclahealth.org), [visitpa.com](http://visitpa.com), [preferredhotels.com](http://preferredhotels.com), [timessquarenyc.org](http://timessquarenyc.org), [playon.tv](http://playon.tv), [gmeded.com](http://gmeded.com), [lymphedivas.com](http://lymphedivas.com), [sais-jhu.edu](http://sais-jhu.edu), [sproutonline.com](http://sproutonline.com) & [observer.com](http://observer.com)

## **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.