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# NICHOLAS D. KLINE

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## Skills Summary

- Over ten years of front-end development, design, and JavaScript experience.
- Proficient programmer able to learn any language, strongest being JavaScript, PHP, SQL.
- Experience in implementing and developing RESTful services.
- CMS experience in Drupal, Plone, and WordPress.
- Focused on bringing the best UX to the customer and empathy for clients
- Have taught programming topics to people ranging from students to professionals, one on one and in groups.
- Worked with NodeJS and the Mean stack,
- Familiar with MVC and MV\* architectural patterns.

## Experience

### ***Columbia University***

#### ***Sr. Applications Developer | November 2016 – Current***

- Self-directed work with a variety of clients to develop websites or web applications
- LAMP Stack
- JavaScript, CoffeeScript, NodeJS, SCSS
- Implemented accessibility standards

#### **General Responsibilities**

Develop, maintain, and repair websites built in Drupal 6, 7, and 8. Focus is on the front-end and templating, using CSS preprocessors (SCSS) and working closely with our UX/UI expert and backend developers. Also built an AngularJS application for internal use to retire an enterprise solution that didn't meet internal risk analysis standards.

### ***The Pennsylvania State University***

#### ***Programmer/Analyst II | June 2014 – November 2016***

- Programmed new features for websites and applications
- Implemented, developed on, and maintained NodeJS middleware servers
- Webserver administration (Apache, Nginx, IIS)
- Linux Administration (Ubuntu, CentOS)

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- Webmaster for several Drupal, WordPress, and Plonewebsites
  - UX/UI design
  - Graphic Design
  - RESTful Integration
  - AngularJS and other single page application development
  - Plone and Drupal development
  - JavaScript, ColdFusion, PHP, Python, SCSS
  - Lead meetings and presented at a web conference

### **Full Stack Developer on PSU's web conference Elements**

Contributed as a full stack developer on elements.psu.edu. This web application was designed so it'll be continually updated for the following conferences to come, archiving all previous versions of the site's designs and content. The application was built on Drupal 7 and Zurb Foundation. We took advantage of the power to the front-end framework and SASS for templating and wrote custom PHP in module development.

### **Site Administrator for Penn State Websites**

Throughout my employ at Penn State I maintained many websites, including militaryfamilies.psu.edu, ssri.psu.edu, ed.psu.edu, elements.psu.edu and many other mini sites and services. Most of these websites are Drupal 7 installations however lately I've been managing several Plone installations on Windows servers. I also have a Drupal 8 site about to launch and have even presented my experience with Drupal 8 at Penn State's Tech Pros Conference 2016. I also wrote a custom NodeJS application to reply to users in Slack about the status of our web infrastructure.

### **Designed and Developed a Ticketing System**

As an intern I developed an internal ticketing system for handling and resolving various technical issues. This system was developed in Drupal 7 and deployed on a CentOS server. Another ticketing system needed a face for a kiosk deployment on an Android tablet so I designed a front-end single page application in Foundation and NodeJS for the users to interface with improving the existing systems user experience significantly.

### **Freelance**

#### ***Programmer | January 2013 – December 2015 (Ongoing off and on)***

- Self-directed work with a variety of clients to develop websites or webapplications
- LAMP Stack
- JavaScript, CoffeeScript, NodeJS, SCSS
- Implemented accessibility standards

### **Backend Developer for Susquehanna Community Health and Dental Clinic, Inc.**

I developed a lightweight content management system for the aimhealthy.org website, written in PHP. The admin interface was responsive giving the client the ability to update content on any device. To complete this project, I utilized JavaScript, jQuery, and other libraries.

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## Consultation Services

Consulted with various clients about possible web solutions to their organization and providing specialized work wherever needed. This included services such as web design, graphic design, custom programming, photography, and tutoring.

### ***Pennsylvania College of Technology***

#### ***Programming and Interactive Media Tutor | September 2013 – December 2014***

- Tutoring students' in
  - PHP, JavaScript, SCSS, CSS, HTML
  - UX/UI Design
  - Accessibility concepts
- Consulted with faculty on curriculum

### **Techno Link Corps Internship**

While in school I interned with a corrugated box manufacturing company in Williamsport developing custom PHP features to their managing software. This application would communicate between the office and the printing machines on processing dimensions of cuts, folds, presses, etc.

## Skills

**Languages:** Javascript (NodeJS and Client Side), PHP5-7, HTML, CSS (SCSS) , C#.net, ColdFusion, Python

**Databases:** MySQL, NoSQL (Mongo), Microsoft SQL

**Libraries:** Bootstrap, Foundation, JQuery, FontAwesome, AngularJS, Lodash, WebGL, Express, Mongoose

**Systems:** Means Stack, Lamp Stack, Linux (Ubuntu/CentOS/RHEL), Windows (2008/2012)

**APIs:** Twitter, RESTful (HATEAOS), Drupal, Express, Facebook

**Software:** Git, Adobe Suite, SublimeText, Atom, Jenkins

## Education

### ***Pennsylvania College of Technology***

Bachelors of Science in Web and Interactive Media – a computer science degree that focuses on user experience and web application development

### ***KNPUniveristy Mini Courses***

Received various micro credentials ranging from RESTful services to Drupal 8 development.

### ***University of Michigan***

Mirco-Masters certificate in User Experience Research and Design (in progress) – Currently working towards this certification online through edx.org.

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## ***Linux Foundation***

Debian SysAdmin Certification (in progress) – Currently auditing the Linux Foundation's SysAdmin courses online.