NICHOLAS KLINE

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Summary

- Going on 10 years of front-end development, design, and JavaScript experience.
- Proficient programmer able to learn any language, strongest being JavaScript, PHP, SQL.
- RESTful experience in implementing other services and developing custom 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 working with RESTful and streaming APIs, websockets, and single page applications.

Education

Pennsylvania College of Technology

Bachelors of Science in Web and Interactive Media – a computer science degree that focuses

Experience

The Pennsylvania State University

Programmer/Analyst II | June 2014 – Current

- Programmed new features for websites and applications
- Implemented, developed on, and maintained NodeJS middleware servers
- Web server administration
- UX/UI design
- Graphic Design
- RESTful Integration
- AngularJS single page application
- 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

Worked 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 Ticketing Systems

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 web applications
- LAMP Stack
- JavaScript, CoffeeScript, NodeJS, SCSS
- Implemented accessibility standards

Backend Developer in Project 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. Utilized JavaScript, jQuery, and other libraries to complete project.

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.

Activity

Member of PSU's Drupal Users Group
A group of developers, designers, and users implementing Drupal across Penn State and its branch campuses – The group regularly meets and provides a network of assistance for Drupal developers.

Member of PSU's Plone Users Group
A group of programmers using Plone at Penn State's main campus – The group meets monthly to discuss Plone and its use on campus.

Web Developer for Penn State's Web Conference
Hosted by Penn State yearly, the conference focuses around modern web topics. As a full stack developer on this project I worked closely with the design and marketing teams as well as the other members of the web team. This project is built on Drupal and Zurb Foundation.

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
Systems: Means Stack, Lamp Stack, Linux (Ubuntu/CentOS/RHEL), Windows (2008/2012)
APIs: Twitter, Custom RESTful, Drupal, Express, Facebook
Software: Git, Adobe Suite, SublimeText, Atom, Jenkins