

PROFESSIONAL SUMMARY

- 11+ years of IT experience with specialization as a Software Engineer & Web Developer.
- Proven ability to leverage **Full Stack** knowledge & experience while working projects both small and large.
- Fluent developing web applications with an array of Javascript frameworks and APIs.
- Extensive Expertise in designing and developing various robust and responsive Web Applications to scale.
- Skilled at Implementing and working with various **DevOps** tools and frameworks.
- Background as a **Systems Administrator** managing complex Virtual Machines and Container Environments..
- Competent with various design software used to mockup and create rich and attractive graphic user interfaces.
- Persistent need and desire to investigate, learn and adapt to new technologies, frameworks and concepts.
- Intimately familiar with both waterfall and agile workflows often using kanban to manage backlog of tasks.
- Ability to work directly with clients and management while performing a variety of roles.
- Capable of working independently and in groups, as a leader and as a member.
- Strong communication skills, both written, verbal, and artistically.

TECHNICAL BACKGROUND

Programming Languages:	Proficient in (Node.js, JavaScript, HTML, CSS ColdFusion, PHP) with experience using many other languages including (Python, Ruby, JAVA, C, C++)
Frameworks & Libraries:	Proficient in various JavaScript libraries including but not limited to (Vue.js, Nuxt.js, React.js, Express and jQuery) as well as various web development styling frameworks including (Material Design, Bootstrap, SASS and LESS) and several testing frameworks such as (Jest, Mocha and Karma)
Other Technologies:	GIT, SVN, GitLab, Docker & Docker Swarm, Portainer
Databases:	MySQL, PostgreSQL, MongoDB, MS SQL Server
Development & Design Tools:	Photoshop, Sketch, InDesign, Illustrator

PROFESSIONAL EXPERIENCE

NASA Goddard Space Flight Center | Greenbelt, MD

August 2013 – Present

Lead Sr. Software Engineer & Systems Administrator

My work with NASA Goddard space flight center helps scientists and science writers get critical information out to the public in a more efficient and simplified way. I've worked with all reaches of the Sciences and Exploration directorate's divisions including high profile projects with both the Astrophysics and Planetary Sciences divisions creating software that has helped manage and analyze critical mission data in a variety of ways.

- Responsible for making technical and design choices for multiple projects across the directorate all while documenting infrastructure decisions and training other team members on proper usage and development.
- Developed multiple applications using Vue.js, Nuxt/SSR and Vuex that streamlined everyday processes and needs including press release publishing, publications data processing and mission data analysis.
- Lead redesign efforts for the Sciences and Exploration website setting up our front end framework using Nuxt.js and material design for our UI Design while developing a simple but robust API using Node.js and express.
- Implemented a new version control and continuous integration standards for the directorate by standing up a GitLab server in our Virtual machine environment now maintaining about 200 users and over 300 projects.
- Maintained legacy ColdFusion and PHP websites as needed in response to feature request and bug reports.
- Facilitated major software deployments and upgrades for various systems ranging from application server upgrades to OS upgrades on a schedule or to meet emergency agency security bulletins.
- Maintained over 100 virtual machines with VMWare each serving different requirements and needs.

- Ported several websites with a variety of different requirements from the SED's existing dedicated VM infrastructure to their own services in our docker swarm.
- Developed custom software for the Astrophysics Division that allowed the visualization of various mission data sets overlaid on night sky using Vue.js the Aladin Lite web framework.
- Solely developed the NASA PGDA website using Vue.js and bootstrap allowing planetary scientists to publish articles with attached large data sets often leveraging a custom developed planetary map rendering application that processed GDAL files and outputs them to the front end leaflet map framework.
- All development done with security in mind ensures best practices are used during development as well as implementing scans into project pipelines and responding promptly to agency scans and bulletins.
- Assisted development of the NASA OPSPARC PHP website facilitating student science research projects submissions in which an external API was integrated to the submission pages to collect minor's PII.

Huntington National Bank | Columbus, OH*July 2012 – June 2013***Lead Software Engineer / Production Support**

- Optimized legacy web applications to increase response time when executing queries and general page loads.
- Managed upgrades to the application server and migration from Windows to RHEL making necessary changes to software based on both application code depreciation and operating system incompatibilities.
- Implemented entirely new Responsive and modern UI design for the ERA/SPA and bank signature card systems using both Bootstrap base UI and grid framework but also some custom developed styling to stay in line with the banks current design policies.
- Provided production support for the applications and its users including live troubleshooting and user assistance.
- Supported sever release cycles planned and emergencies, responsible for arranging testing sessions and verifying successful deployments and/or solutions.

International Software Systems | Greenbelt, MD*August 2011 – June 2015***Software Engineer / Team Leader**

- Lead and trained a team of 10+ members through the full SDLC of several in house products and applications. All managed using agile with daily standups and bi-weekly retrospectives.
- Provided consultation and development support for a handful of projects maintained by the company for both government and retail clients oftentimes offering design solutions for new functionality or developing and implementing solutions using a wide variety of development languages and frameworks including ColdFusion, Python, or Node all depending on the specific project.

Castle Laser Tag | Bowie, MD*July 2009 – August 2011***Software Engineer / Team Leader**

- Implemented several applications for this client all leveraging ColdFusion and Javascript.
- Complete re-designed and implementation of their website with new domain hosting service.
- Developed client kiosk application with a custom user interface to guide customers through the process of filling out a liability waiver before playing a game. I set up 4 tablet based kiosks where users would fill out waivers, and set up a web portal where customers could scan QR codes around the storefront so they could fill out a waiver on their phones at high peak times. This entirely eliminated our paper waivers process and substantially reduced waste and duplicate efforts from customers.

EDUCATION

- Undergraduate: University of Maryland University College pursuing a Major in Software Engineering and Security with a minor in Web Media
- Career Technology Education: Studied Visual Communications at the Application Research Laboratory of Howard county public school system AP Class of 2011