

# Craig Nuzzo

Systems Administrator & Engineer

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gitlab.com/cdnuzzo

## Education

University of Illinois Springfield – Online *Master of Science in Computer Science ~ magna cum laude*  
Illinois State University B.S. - Normal, IL

2017  
2011

## Certifications

AWS Certified Solutions Architect Associate 2021 - *Udemy*  
Linux Foundation Certified System Administrator – *Linux Academy*  
Essentials of Linux Systems Administration – *The Linux Foundation*  
Introduction to Linux – *The Linux Foundation*

## Work Experience

**Dealer Inspire** – Naperville, IL

*Cloud Engineer*

November 2020 – Present

- Build, plan and prototype new AWS infrastructure with Terraform using Infrastructure as Code concepts
- Monitor and observe about 5000 dealership websites and 10 software products
- Train and mentor new coworkers on the Systems Engineering Team
- Participate in on-call support for our system infrastructure and diagnose issues that may arise
- Explore and discover useful services for our systems team to utilize
- Communicate technical concepts to other staff and customers both verbally and with written documentation

*Systems Engineer*

December 2019 – November 2020

- Manage AWS infrastructure and conduct various system administration tasks
- Deploy and update new and pre-existing Linux infrastructure
- Monitor and observe platform for stability and respond to service outages
- Develop and document a new team member curriculum to successfully onboard a new Jr. Systems Engineer
- Prototype an ELK Stack
- Communicate with other departments to ensure services are running smoothly
- Participate in on-call support for our services to internal and external customers
- Assist in writing system tooling in Python, Bash, and PHP to automate build tasks
- Write technical documentation that all development and product manager teams utilize.
- Architect and implement a complete end-to-end pipeline to update an AMI defined from Packer to Bamboo using Bitbucket Pipelines.

*Junior Systems Engineer*

April 2018 – December 2019

- Deploy and update new and existing Linux infrastructure using configuration management tools
- Develop an end-to-end build pipeline for new operating system image updates from AWS to Bamboo
- Create an auto-scaling policy for image optimization infrastructure
- Assist in maintaining the existing AWS and Bamboo systems infrastructure for the web platform
- Write documentation for internal team to communicate internal processes
- Ensure that external facing Support tickets for Systems related tasks are completed
- Collaborate with Project Managers to ensure new websites are built and deployed on time

*Support Developer*

May 2016 – April 2018

- Troubleshoot and resolve various issues in the custom WordPress platform through a Salesforce ticketing system
- Fix Front-End and Back-End Development related issues written in PHP, CSS, and JavaScript
- Develop and design forms, templates, shortcodes, pages, posts, model pages, and blogs
- Implement Redirect Rules in the .htaccess files on the server-side
- Assess PageSpeed Insights in order to continually speed up our web platform

*Assistant WordPress Developer*

December 2015 – May 2016

- Management of mostly Wordpress based sites utilizing basic HTML, CSS, Bootstrap framework and some JavaScript skills
- Development of new Wordpress sites with custom templates based on PSD mockups
- Collaborate with a team of designers and developers to complete tasks
- Assist with support tickets to correct bugs / issues on current sites

**Baltic Networks** – Lisle, IL

January 2015 – December 2015

*Product Catalog Manager*

- Maintaining a catalog of networking equipment from over 30 manufacturers
- Flash routers and assembled products to help assist Engineering and increase my knowledge set
- Utilize HTML, CSS, PHP, and graphic knowledge in Magento software

**uBreakiFix** – Geneva, IL

October 2014 – January 2015

*Repair Technician*

- Interacting with customers regarding smartphone and computer related issues
- Repairing smartphones, laptops, desktops, tablets, game consoles, and almost anything electronic
- Answering phone calls in a timely manner

**Skills**

- AWS (EC2, Route53, IAM, Lambda, ECS, ECR, RDS, Cloudformation)
- Atlassian (Bamboo, BitBucket, Confluence)
- Hashicorp (Terraform, Packer)
- Gitlab
- Docker
- bash, Python, Flask, PHP
- Let's Encrypt (TLS x.509 certs)
- Apache, Nginx, MySQL

**Interests**

Digital privacy, Linux kernel, C, eBPF, Go, BSD, Python, Django, NixOS, Haskell, Cybersecurity, Cloud Networking, containers, Ansible, Puppet  
Music, hockey, baseball, film, Star Wars, X-Men

**Projects**

Hope4theOrphan Dashboard – [hope4theorphan.org](http://hope4theorphan.org)

Craig Nuzzo Tech website – [craignuzzo.tech](http://craignuzzo.tech)

FOSS Phone Option – [fossphone.org](http://fossphone.org)

Two Tech Dudes Podcast – [twotechdudes.com](http://twotechdudes.com) [discontinued]