

Craig Nuzzo

Systems Administrator & Engineer

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Education

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

2017
2011

Certifications

AWS Certified Solutions Architect Associate 2021 – *Udemy*
AWS Certified SysOps Administrator 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

- Develop and organize our AWS account creation related to Governance, Compliance and Security
- 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
- Configure CI/CD Pipelines in order to streamline delivery of application code written by the Product Teams
- 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
- Do many of the tasks still that are listed listed in *Systems Engineer* below

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, etc.)
- Atlassian (Bamboo, BitBucket, Confluence)
- Hashicorp (Terraform, Packer)
- Git, GitLab, GitHub
- Containers, Docker, Podman, Buildah
- bash, Python, Flask, PHP, JavaScript, VueJS
- Let's Encrypt (TLS x.509 certs)
- Apache, Nginx, MySQL, SQLite, WordPress

Interests

Digital privacy, Linux kernel, C, eBPF, Go, OpenBSD, FreeBSD, Python, Django, cryptocurrency, blockchain, NixOS, Haskell, cybersecurity, cloud networking, containers, Ansible, Puppet, music, hockey, baseball, film, Star Wars, X-Men, comedy

Projects

Hope4theOrphan Dashboard – hope4theorphan.org

Craig Nuzzo Tech website – craignuzzo.tech

FOSS Phone Option – fossphone.org

Two Tech Dudes Podcast – twotechdudes.com [discontinued]