Josh Lockrow

Cloud Automation/DevOps Engineer

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EDUCATION

- **Cleveland Chiropractic College**   Overland Park, KS
  Doctor of Chiropractic   *May. 2009 – Sept. 2013*
- **Pepperdine University**   Malibu, CA
  Bachelor of Religion   *Aug. 2001 – Feb. 2005*

EXPERIENCE

- **Netsmart Technologies**   Leawood, KS
  Cloud Automation Engineer Mar 2019 - Present
  - **Saved Company over $1 million dollars in license contracts and reduced labor efforts** : Introduced and implemented the Puppet Bolt orchestration platform which replaced a previous dependency on manual installation of licenses.
  - **Bolt Sherpa**: Initiate team workshops, lunch and learns, and individualized training for network and system engineers on how they could utilized Puppet Bolt tasks/plans to automate labor efforts, reduce human error, and provide forensic logging that could also be utilized for auto-remediation. Create documentation in the form of Visios, slide decks, and READMEs.
  - **AWS**: Developed a distributed multi-cloud application that utilizes Cloudformation, Lambda, API-Gateway, S3, private networks and elastic ip's .
  - **Docker Swarm and Kubernetes**: Architect and developed a Docker Swarm development environment on VSphere to host a custom automated, orchestration platform utilizing Puppet Bolt, Redis, Python Flask, InfluxDB, Grafana, and Splunk, as well as developed a production version utlizing Kubernetes
  - **CI/CD and IAC**: Architect and develop a CI/CD pipeline utilizing Bitbucket, Jenkins, Terraform, Packer, Vsphere, AWS, Docker Swarm and Kubernetes. Maintain and improve upon a complex deployment process utilizing powershell, Packer, Terraform and Jenkins
  - **CMS**: Maintain, tune, and upgrade internal Puppet Architecture (including a customized transient data solution utilizing MongoDB. Maintain and contribute to CMS through Puppet codebase.
  - **Software Development**: Maintain custom internal Ruby on Rails platforms as well as architect and develop new platforms utilizing Ruby and Python
  - **Scripting**: Maintain and contribute to an internal library of PowerShell, Bash, Python and Ruby scripts to automate engineering work efforts
- **OWLFI**   Lenexa, KS
  Operations, Technology, and Marketing Apr 2017 - Dec 2018
  - **$80,000 revenue on one-time internal marketing campaign**: Through the use of email marketing, a focused message, and the use of new online tools to sign and deliver paperwork, was able to deliver on a campaign that created $80,000 in profits in one month
  - **Integrate Online, Direct Mail, and Seminar Marketing Campaigns**: Worked with various vendors and contractors to develop retirement dinner marketing campaigns involving facebook advertising, direct mail, and follow up email campaigns.
  - **Web Development**: Developed multiple web assets in Wordpress and NodeJs as well as oversaw contractors in the development of web assets
  - **Data Collection**: With the help of contractors was able to analyze a decade of direct mail campaign results, and was able to pull out actionable demographic data for our market

PROJECTS

- **Progressive Web App** : An offline-capable, mobile-first PWA implementing offline-caching via service workers, and a non-relational browser-based database.
- **Datascience: Identify Customer Segments**: Applied unsupervised learning to two demographic datasets to identify segments and clusters in population and map those to a company's customer set. Utilizes Dimensionality Reduction, PCA, ,
- **Image Classifier Builder and Trainer**: Built a python command line application that allowed the user to choose from different Torchvision architectures to build an image classifier that then the user could train on any dataset, and predict classes for new images.

PROGRAMMING SKILLS

Languages: Python, Ruby, JavaScript, HTML5/CSS3, C++, Java, Bash, Powershell
Technologies: AWS, Puppet/Bolt, Chef/Knife, React, Ruby on Rails, Terraform, Packer, vSphere
AWS: CloudFormation, Lambda, API Gateway, Networking, Elastic IP's, EC S3