

## Experience

### • Agile Six Applications, Inc.

October 2020 – Present

Senior DevOps Engineer (VA.gov Check-In Experience Team; February 2024 – Present)

- \* Haven't blown anything up yet
- \* Served on a task force to improve hiring practices for DevOps engineers

Technical Lead (VA.gov Platform CMS Team; July 2023 – February 2024)

- \* Directed ongoing enhancement and deployment of Drupal CMS and associated infrastructure for VA.gov
- \* Fostered transparency and alignment by communicating project progress, updates, and any issues or blockers
- \* Maintained clear and open lines of communication, enabling stakeholders to make informed decisions and ensuring project success
- \* Anticipated potential development challenges, identified project delays, and swiftly addressed issues
- \* Mentored engineers to improve proficiency and expertise in best practices
- \* Orchestrated team of 7-9 engineers in PagerDuty rotation, improving reliability and reducing incident response time
- \* Led team in overcoming complex technical challenges, removing impediments, and ensuring smooth project execution
- \* Hired multiple Senior Software Engineers and a Software Quality Architect; drafted job descriptions, conducted technical interviews, and made final hiring recommendations

Senior DevOps Engineer (VA.gov Platform CMS Team; October 2020 – February 2024)

- \* Improved QA architecture, improving overall product quality and customer satisfaction
- \* Mentored engineers on test design and system architecture
- \* Crafted and documented procedures, including timelines and sample communications, for consistent management of out-of-band deploys
- \* Revamped internal content release management system, significantly reducing change failure rate
- \* Streamlined test pipeline, reducing test time and product delivery lead time
- \* Developed and maintained custom modules for Drupal 8/9/10 CMS

### • Aviation International News

January 2015 – October 2020

Senior Software/DevOps Engineer (ainonline.com; January 2015 – October 2020)

- \* Architected and executed an innovative DevOps and backend development strategy, supporting the launch of two successful media products
- \* Implemented local development environments, CI/CD pipelines, and QA best practices
- \* Guided and mentored junior engineers, emphasizing soft skills and engineering best practices
- \* Instituted CD pipeline, including functional tests and staging deployment
- \* Created a Vagrant-based solution for local development, increasing team productivity and streamlining development and testing of new features
- \* Developed an app to centralize ad sales, subscriptions, and circulation data, reducing manual data entry and empowering data-driven decision-making
- \* Architected CI pipeline, encompassing unit tests, static analysis, and code style tests
- \* Migrated systems from Acquia hosting to sustainable, self-servicing AWS, cutting infrastructure expenses by over two-thirds and reducing annual hosting costs by 40%

### • DEVONtechnologies

January 2011 – December 2015

Software Engineer (DEVONthink Sync; January 2011 – December 2015)

- \* Developed, launched, and maintained proprietary sync technologies for flagship macOS/iOS desktop document database app
- \* Collaborated and communicated within a globally dispersed engineering department across six countries and four continents
- \* Led the adoption of Agile project management, Lean principles, and DevOps methodologies
- \* Introduced CI/CD pipelines, resulting in a significant decrease in delivery lead time and eradicating delivery and packaging errors
- \* Introduced automated testing, leading to a large reduction in manual testing hours, elevating test coverage, and cutting change failure rate
- \* Automated aspects of certificate and configuration management, saving several person-days annually

## Education

Bachelor's in Computer Science (University of Nevada at Las Vegas; May 2009 – December 2011)

- Graduated with a 3.5 GPA
- Took graduate-level coursework in Artificial Intelligence and Machine Learning
- Completed an independent study in Virtual Machine design and implementation in C++, and gave a guest lecture on the topic

## Skills

**Languages:** PHP, Objective-C, L<sup>A</sup>T<sub>E</sub>X

**Infrastructure-as-Code:** Terraform, CloudFormation, Ansible, Puppet, Chef, SaltStack

**CI/CD:** Jenkins, GitHub Actions, CircleCI, Travis CI, GitLab CI, Bitbucket Pipelines

**Containerization:** Docker, Kubernetes, Nomad, Amazon ECS, Amazon EKS

**Cloud Platforms:** Amazon Web Services, Google Cloud Platform, Microsoft Azure, IBM Cloud, Oracle Cloud

**Monitoring:** Prometheus, Grafana, Datadog, New Relic, Amazon CloudWatch

**Logging:** Elasticsearch, Logstash, Kibana, Splunk, Sumo Logic

**Networking:** TCP/IP, DNS, HTTP, HTTPS, VPN, VPC, Route 53, CloudFront, ELB, ALB, NLB