

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^AT_EX

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