

Experience

• Agile Six Applications, Inc.

October 2020 – Present

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

- * Migrated infrastructure for products between AWS accounts
- * Migrated Infrastructure-as-Code from CloudFormation to Terraform
- * Introduced Terraform tests for automated testing of reusable Terraform modules
- * Introduced system tests spanning multiple products and their upstream integrations
- * Migrated from using IAM service accounts to OIDC role assumption
- * Managed compliance and collaboration in ATO (Authority to Operate) and PRB (Product Review Board) processes
- * Served on a task force to improve hiring practices for DevOps engineers

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

- * Directed ongoing enhancement and deployment of Drupal CMS and associated infrastructure for VA.gov
- * Communicated project progress, updates, and any issues or blockers with stakeholders and other teams
- * Anticipated potential development challenges, identified project delays, and swiftly addressed issues
- * Mentored engineers to improve proficiency and expertise in best practices
- * Orchestrated engineering team in PagerDuty rotation
- * Hired multiple Senior Software Engineers and a Software Quality Architect

Senior DevOps Engineer (VA.gov CMS; 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 for disaster recovery, out-of-band deploys, etc
- * Revamped internal content release management system, significantly reducing change failure rate
- * Streamlined test pipeline, reducing test time and product delivery lead time
- * Developed, maintained, and 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 infrastructure for 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
- * Developed an app to centralize ad sales, subscriptions, and circulation data
- * Architected CI pipeline, encompassing unit tests, static analysis, and code style tests
- * Migrated systems from Acquia hosting to AWS IaC, reducing IT operating costs by 70%

• DEVONtechnologies

January 2011 – December 2015

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

- * Developed, launched, and maintained sync technologies for flagship apps
- * Collaborated effectively within teams dispersed across six countries and four continents
- * Led the adoption of Agile project management, Lean principles, and DevOps methodologies
- * Introduced Continuous Delivery pipeline, decreasing delivery lead time and delivery failures
- * Introduced Continuous Integration pipeline, sharply reducing failure rate and manual testing toil
- * Automated aspects of certificate and configuration management

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/C++, and gave a guest lecture on the topic

Skills

Languages: Node.js, PHP, Bash, Rust, Python, Objective-C, C, L^AT_EX

Infrastructure-as-Code: Terraform, Ansible, CloudFormation

CI/CD: GitHub Actions, Jenkins

Containerization: Docker, Kubernetes, AWS ECS

Cloud Platforms: Amazon Web Services

Logging/Monitoring: Datadog, CloudWatch

Methodologies: DevOps, Agile, GitOps, DevSecOps, Scrum, Kanban