

Ryan Christopher Miller

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EXPERIENCE

Subject Matter Expert (DevSecOps)

Ace Info Solutions, Reston, VA

Sep 2019 - Present

- Pushing DevSecOps adoption, though containers and continuous integration/delivery, within the U.S. Coast Guard.
- Delivering a fully-managed, scalable, OpenShift cluster for running highly-available containerized applications.
- Creating Jenkins CI/CD pipelines to run tests, SonarQube scans, and Kubernetes deployments, with zero-downtime.

Full-Stack Application Developer

Synergy, Reston, VA

Mar 2019 - Sep 2019

- Completed the United States Coast Guard's first custom iOS (iPad) application for internal use by marine inspectors.
- Responsible for full-stack development of a frontend React Native/Typescript/Mobx stack and an ASP.NET backend.
- Configured application authentication using Purebred derived-CAC technology to allow iOS to pass client certificates to IIS.
- Served as Technical Lead for beta-rollout of mobile application and backend API to a pilot group of ~50 users.

GIS Application Developer

Innovative Management Concepts, Dulles, VA

Apr 2018 - Mar 2019

- Developed full-stack web and Python GIS applications for the Federal Highway Administration.
- Lead team in establishing standard development lifecycle practices using DevOps principles.
- Configured continuous delivery pipelines with AWS to automatically deploy production application changes.
- Created an authenticated, multi-user JavaScript (React) application to gather data from external customers.

Application Engineer

Ace Info Solutions, Reston, VA

May 2016 - Apr 2018

- Architected enterprise software solutions to support the United States Coast Guard's Platform-as-a-Service efforts.
- Developed, tested, and pushed 30+ security, bug-fix, and feature driven updates to a multi-platform enterprise.
- Created a Python file scraping library to cache and access Linux file metadata from a compressed archive.
- Authored scripts to enforce mitigations for security vulnerabilities in Red Hat Enterprise Linux.

Junior System Administrator

Ace Info Solutions, Reston, VA

Aug 2015 - May 2016

- Provisioned, configured, and decommissioned servers in a large scale, multi-tenant, enterprise environment.
- Coordinated with application owners to perform maintenance on both physical and virtual machines in production.

SKILLS

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|-------------|--|
| Soft Skills | Leadership, Mentoring, Communication, Self-Motivated, Strong Problem Solver, Detail Oriented |
| Hard Skills | Software Development, DevOps Engineering, Business Process Automation, Application Integration |
| Languages | Python (Jython), JavaScript (TypeScript), C#, C, HTML5, CSS3, Shell (Bash, Zsh), JSON (YAML) |
| Frameworks | React, React Native, Expo, Mobx, Jest, Bootstrap 4 (ReactStrap), OWIN, Flask, PyTest, Sphinx |
| Platforms | Kubernetes (OpenShift), Docker, AWS, Red Hat Enterprise Linux, Microsoft Windows Server |
| Software | Git, Jenkins, SonarQube, NodeJS, Visual Studio, Xcode, MongoDB, MS SQL, IIS, Apache |

EDUCATION

Bachelor of Science, Computer Information Technology

Shepherd University, Shepherdstown, WV

CERTIFICATION

Amazon Web Services, Developer Associate

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Amazon.com, Inc.

CompTIA, Security+

[#WDVGFMFM33FQCV3X](#)

CompTIA, Inc.