

Ryan Christopher Miller

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EXPERIENCE

Subject Matter Expert (DevSecOps)

Sep 2019 - Present

Ace Info Solutions, Reston, VA

- 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

Mar 2019 - Sep 2019

Synergy, Reston, VA

- 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

Apr 2018 - Mar 2019

Innovative Management Concepts, Dulles, VA

- 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

May 2016 - Apr 2018

Ace Info Solutions, Reston, VA

- 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

Aug 2015 - May 2016

Ace Info Solutions, Reston, VA

- 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

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

Amazon.com, Inc.

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CompTIA, Security+

CompTIA, Inc.

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