

# Corey Ryman

## Cloud Engineer

Focus on architecting reliable AWS cloud infrastructure solutions.

Design, development and deployment of automation pipelines and workflows.

Advocate for devops practices and familiarity with working under Agile methodologies.

Developer enablement with a shift-left mentality.

## CONTACT

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Location: Raleigh, NC

## SKILLS

- **Cloud:** Amazon Web Services (AWS)
- **CI/CD & Source Control:** Azure DevOps, TeamCity, GitLab, TFVC, Git
- **Operating Systems:** Windows, Linux
- **Containers:** Docker, AWS ECS, AWS EKS
- **Configuration Management:** Terraform
- **Serverless:** AWS Lambda, AWS ECS Fargate
- **Security & Analysis:** AWS IAM, WhiteSource, Clair, SonarQube
- **.NET:** .NET Core, C#, ASP.NET, ADO.NET, WCF, LINQ, Entity Framework
- **Scripting:** PowerShell, Python, Bash
- **Packaging:** NuGet, Artifactory, Azure DevOps Artifacts
- **Databases:** Microsoft SQL Server, AWS DynamoDB

## EXPERIENCE

**IHS Markit** (acquired OPIS in 2016)

Remote - NC

Senior Software Engineer

*February 2016 - present*

- Playing a significant role in establishing operational and deployment processes within AWS
- Implementing and optimizing AWS infrastructure by researching and executing industry best practices
- Architecting reliable solutions in AWS using services including EC2, ECS, EKS, CodeDeploy, Route53, S3, CloudWatch, IAM, ElastiCache, Lambda, DynamoDB, VPC, etc.
- Assisting with maintenance of disaster recovery and high availability solutions
- Extensive use of Terraform for managing AWS infrastructure as code
- Creation of complex containerized application deployment pipelines using Azure DevOps, Docker, AWS ECS and Terraform
- Implementing cloud spending cost reduction measures
- Development of extensive sets of reusable build and deployment templates for Azure DevOps
- Management and configuration of Azure DevOps team projects across multiple organizations
- Facilitating communication and collaboration among various teams and divisions

- Research and development of shared infrastructure, infrastructure components, design and implementation patterns
- Defining standards and practices for continuous integration, continuous testing, continuous security validation, continuous delivery, continuous deployment and continuous monitoring in automation pipelines
- Advanced identity and access management policies in AWS using strategies including RBAC, ABAC, SCP and permissions boundaries for enforcing least-privilege access
- Developer enablement with a shift-left mentality and goal of getting software into production faster and safer

### **Oil Price Information Service (OPIS)**

Rockville, MD

Software Developer

*January 2014 - February 2016*

- Performing development on applications used for real-time spot market price discovery, historical spot market pricing, and to provide complete price transparency across the oil supply chain
- Primary usage of C# and the .NET Framework for application development
- Development of web applications with AngularJS, jQuery, HTML and Javascript
- Creating and modifying complex automated reports using black box console applications, SQL Server Reporting Services (SSRS) and Docmosis
- Building RESTful services with ASP.NET Web API
- Unit and integration testing, as well as automated browser testing using Selenium
- Setup and configuration of IIS web server sites and applications
- Technical team lead: providing guidance and mentorship, as well as assistance on technical queries related to our team projects
- Performing code reviews and inspections
- Working in an Agile team setting and applying its methodologies to software development life cycles
- Maintenance and migration of legacy software systems
- Leader of company-wide migration from TFVC to Git for source control, including extensive documentation of guidelines and best practices
- Administration of TeamCity build servers
- Participation in successful company-wide migration from a physical data center into Amazon Web Services (AWS)

### **SAIC / Leidos**

Charlottesville, VA

Software Development Intern

*May 2013 - November 2013*

- Performed Android development for a large, enterprise-level DoD application featuring UAV full motion video processing, exploitation and dissemination
- Primary technologies: Android SDK, Google Maps API, Java, XML, JSON, REST/SOAP, Maven, SVN, Jira, IntelliJ IDEA, Android Studio

## **EDUCATION**

2010 - 2013      James Madison University - Bachelor of Science - Computer Science