

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-Durham area, NC, USA

SKILLS

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

EXPERIENCE

Green Street

Remote - NC

Lead DevOps Engineer

November 2022 - Present

S&P Global (merged with IHS Markit in 2022)

Remote - NC

Principal Engineer

March 2022 - October 2022

- (responsibilities continued from IHS Markit)
- Built, debugged and maintained shared Kubernetes infrastructure using VMWare Tanzu
- Provisioned AWS infrastructure for teams migrating workloads from on-premise data centers

IHS Markit (acquired OPIS in 2016)

Remote - NC

Senior Engineer

February 2016 - March 2022

- Played a significant role in establishing operational and deployment processes within AWS

- Implemented and optimized AWS infrastructure by researching and executing industry best practices
- Architected reliable solutions in AWS using services including EC2, ECS, EKS, CodeDeploy, Route53, S3, CloudWatch, IAM, ElastiCache, Lambda, DynamoDB, VPC, etc.
- Assisted with maintenance of disaster recovery and high availability solutions
- Extensive use of Terraform for managing AWS infrastructure as code
- Created complex containerized application deployment pipelines using Azure DevOps, Docker, AWS ECS and Terraform
- Implemented cloud spending cost reduction measures
- Owned and maintained extensive collection of corporate-wide, reusable Terraform modules
- Developed extensive sets of reusable build and deployment templates for Azure DevOps
- Managed and configured Azure DevOps team projects across multiple organizations
- Facilitated communication and collaboration among various teams and divisions
- Researched and developed shared infrastructure, infrastructure components, design and implementation patterns
- Defined standards and practices for continuous integration, continuous testing, continuous security validation, continuous delivery, continuous deployment and continuous monitoring in automation pipelines
- Produced advanced identity and access policies in AWS using strategies including RBAC, ABAC, SCP and permissions boundaries for enforcing least-privilege access
- Influenced 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

- Performed 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
- Heavily used C# and the .NET Framework for application development
- Development of web applications with AngularJS, jQuery, HTML and Javascript
- Created and modified complex automated reports using black box console applications, SQL Server Reporting Services (SSRS) and Docmosis
- Built RESTful services with ASP.NET Web API
- Unit and integration testing, as well as automated browser testing using Selenium
- Configured IIS web server sites and applications
- Technical team lead: provided guidance and mentorship, as well as assistance on technical queries relating to our team projects
- Performed code reviews and inspections
- Worked in an Agile team and applied those methodologies to software development life cycles
- Maintained and enhanced legacy software systems
- Led company-wide migration from TFVC to Git for source control, which included extensive documentation of guidelines and best practices
- Administered TeamCity build servers
- Participated in successful company-wide migration from a physical data center into Amazon Web Services (AWS)

EDUCATION

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