

# Jason Guzman

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## Professional Experience

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**Capital One** | Riverwoods, IL October 2025 - Present

*Senior Associate Infrastructure Engineer*

*Associate Infrastructure Engineer*

May 2025 - October 2025

- Built reusable Terraform and Python (Boto3) automation for AWS enterprise platforms by standardizing multi-environment infrastructure deployments, reducing configuration drift and manual provisioning effort
- Developed and maintained 15+ production-grade Ansible templates for AWS services, including S3, EFS, IAM, and CloudWatch, improving policy enforcement, operational remediation, and system reliability
- Enhanced a multi-tenant AWS EMR platform through custom AMIs and Terraform-based provisioning pipelines, improving observability, deployment reliability, and platform resilience
- Led standardization of 70+ S3 buckets across the enterprise data lake by implementing consistent encryption, bucket policy, lifecycle, logging, improving compliance posture, audit readiness, and long-term governance consistency
- Supported Ansible Automation Platform operations by resolving 80+ incidents and service requests and authoring team documentation, improving platform stability and reducing onboarding and support burden

**Discover Financial Services** | Riverwoods, IL

February 2024 - May 2025

*Database Engineer (SQL Server)*

- Configured, maintained, and optimized 10+ SQL Server instances, implementing 5+ Always On Availability Groups to deliver high availability, disaster recovery, and performance tuning for critical enterprise applications
- Designed and implemented PowerShell automation solutions to streamline SQL Server deployment and management tasks, reducing manual setup times by over 80% and improving consistency across environments
- Actively participated in 24/7 on-call rotation supporting 100+ SQL Server instances, troubleshooting and resolving critical database incidents to maintain system availability and minimize business impact

**iHeartMedia, Inc.** | Chicago, IL

May 2023 - August 2023

*Site Reliability Engineer Intern*

- Developed a production-grade IaC pipeline using AWS CDK (TypeScript) to automate application deployment and configuration management
- Created a cost-optimization script using AWS Boto3, saving the company \$72,000 annually by identifying and decommissioning underutilized resources
- Built GitHub Actions workflows to automate build, test, release, and deployment validation processes, improving release consistency and reducing manual handoffs
- Containerized internal applications using Docker and integrated them into CI/CD workflows, improving deployment reliability and environment consistency

## Education

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**DePaul University** | Chicago, IL

September 2019 - November 2023

BS in Computer Science, Concentration in Software Development

## Personal Projects

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Cloud Resume Challenge | [JasonGuzman.Me](https://jasonguzman.me)

- Architected and deployed a fully serverless, globally distributed personal portfolio using AWS S3, CloudFront, Lambda, DynamoDB, and API Gateway, enabling secure, low-latency content delivery

MERN Full Stack Application | [GitHub](https://github.com)

- Orchestrated full-stack application infrastructure using Terraform with remote S3 + DynamoDB backend for state management and locking

## Technical Skills

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Python · Boto3 · Linux · APIs · TypeScript · GitHub Actions · IaC · Terraform · Jenkins · Docker · IAM · Bash · Lambda

## Certifications

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AWS Solutions Architect - Associate · Terraform Associate (003)