

# Torrey Munroe

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## Summary

Dynamic DevOps Engineer with 6+ years of experience in AWS infrastructure management and optimization. Proficient in CloudFormation, CI/CD pipelines, and containerization using Docker and ECS, achieving a 20% reduction in AWS spending while maintaining performance. Demonstrated success in building Lambda services and monitoring applications with Grafana and CloudWatch, enhancing system reliability and operational efficiency. Ready to leverage expertise to drive operational excellence and innovation at any organization in the tech industry.

## Work Experience

### DevOps Engineer, Titin KM Biomedical, Coral Springs

10/2023 – Present

- Spearheaded AWS infrastructure management, including VPCs, networking, IAM, and application stacks through CloudFormation, standardizing provisioning across environments and minimizing manual configuration efforts.
- Engineered and sustained Lambda-based services for both internal and client-facing workflows, enhancing reliability while reducing manual intervention in routine operational tasks.
- Formulated and maintained CloudWatch and Grafana dashboards along with alerts for pivotal services, equipping engineering and product teams with real-time insights into latency, errors, and cost factors.
- Collaborated with finance and product stakeholders to scrutinize usage patterns, right-sizing resources to achieve a roughly 20% reduction in monthly AWS expenditures without compromising performance and availability.
- Automated runbooks and deployment processes in coordination with development teams, alleviating operational toil and decreasing incidents related to deployments.

### DevOps / Cloud Engineer, PAUL Tech, Remote

01/2020 – 10/2023

- Instituted and maintained CI/CD pipelines utilizing GitLab CI/CD and Bitbucket Pipelines to support microservices and containerized workloads hosted on AWS.
- Provisioned and governed cloud infrastructure with Terraform and CloudFormation, enabling reproducible environments and mitigating configuration drift.
- Containerized applications with Docker and deployed them to Amazon ECS/Fargate, enhancing scalability and streamlining release processes.
- Developed robust monitoring and alerting systems for critical services employing CloudWatch, Grafana, and Prometheus, assisting teams in faster issue detection and resolution.
- Collaborated closely with software engineers to refine build times, test executions, and deployment strategies across staging and production environments.

## Backend Developer / DevOps Engineer, 24Data, Tampa

01/2019 – 01/2020

- Developed and maintained backend services while contributing actively to DevOps initiatives related to deployment, monitoring, and environment management.
- Assisted in the design and implementation of CI/CD pipelines for API and data-processing services, boosting deployment frequency and stability.
- Participated in the containerization of legacy workloads, facilitating the migration of services to Docker-based workflows.
- Worked collaboratively with product and engineering teams to troubleshoot production issues, enhancing system reliability and performance.

## Cloud & Web Developer (Contract / Part-time), Luminous Hilt, LLC, Tampa

01/2017 – 01/2020

- Delivered cloud-hosted web applications for small business clients, encompassing design, implementation, and deployment on AWS.
- Configured and upheld hosting environments, DNS, and SSL certificates to ensure secure and reliable access to client applications.
- Instituted basic CI/CD practices and monitoring systems for client projects to streamline updates and minimize downtime.
- Managed client communications, requirements gathering, and comprehensive handoff documentation as a sole developer.

## Education

Cloud Engineering Certificate, Florida Atlantic University (QuickStart Learning), Coral Springs, United States

2021 – 2021

Computer Science Coursework, University of South Florida, Tampa

2015 – 2017

Computer Software Engineering Coursework, Hillsborough Community College, Tampa

2013 – 2015

## Skills

AWS EC2 S3 IAM VPC CloudFront RDS Lambda CloudWatch  
Docker Kubernetes Amazon ECS/ECR Fargate Terraform Ansible  
AWS CloudFormation GitLab CI/CD Bitbucket Pipelines Git Grafana  
Prometheus Python JavaScript Linux Windows VPC design  
Security Groups load balancers IAM least-privilege incident response  
cost optimization

## Certificates

AWS Certified Solutions Architect – Associate  
AWS

AWS Certified Cloud Practitioner  
AWS

Cloud Engineering Certificate  
Florida Atlantic University (QuickStart Learning)  
2021