

# Joshua Michael Martin

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## Summary

Lead Site Reliability Engineer with over 7 years of experience, building, operating and automating highly available, resilient AWS architecture. I help businesses reduce risk, improve the developer experience, and increase reliability of their most critical systems.

## Experience

### Cvent – Lead Site Reliability Engineer *Tysons, Virginia | March 2024 - Present*

- **Leading S3 Companywide strategy** for security, cost optimization, data recovery
- **Leading Cross-Cloud Migration** from Azure to AWS - AWS Datasync Data Migration
- **Delivering AWS CDK upgrades** across multiple products leveraging Big Picture Gantt chart
- **Leveraging Github Copilot** - Accelerating development, planning, and troubleshooting

### Cvent – Senior Site Reliability Engineer *Atlanta, Georgia | Sept 2021 - March 2024*

- **Lead incident management processes** - Reducing MTTR through on-call rotation
- **Building and maintaining CICD Pipeline** via CircleCI Orb for repeatable deployments across services
- **Leading cost optimization initiatives** saving ~200k/yr. On AWS S3 spend

### Cvent – Site Reliability Engineer II *Atlanta, Georgia | August 2019 - Sept 2021*

- **Migrating 60TB+ of AWS S3 Data** via cross region replication establishing DR data strategy
- **Migrating 50+ nodeJS micro-services** between AWS accounts without downtime
- **Reducing developer toil** through on-call rotation support

### Capital One – Cyber Security Engineer *McLean, Virginia | July 2017 – July 2019*

- **Automated AMI replacement** using Python/Boto3 AWS SDK library
- **Developed SEIM platform features** for incident management using NodeJS/Express/React/MongoDB

## Projects

### Account Migrations: Moving New Acquisitions Into Cvent Standard AWS Accounts

- **Writing IaC and Coordinating Delivery/Deployment** alongside development teams
- **Managing Stakeholders** regarding project delivery timelines and challenges
- **Cutover and Testing** - Finding solutions as issues are discovered

### OpenVPN: Connecting Cloud-Based CICD Pipeline to Internal Infra, *Cvent*

- **Implemented OpenVPN Solution** for CircleCI to reach internal networks
- **Developed Deployment Library** - Build jobs defined once and used across 50+ microservices

## Skills

AWS CDK - Typescript | AWS | Docker | NX | Datadog | Circle/Jenkins | Linux

## Education

B.S. in Computer Engineering Georgia Institute of Technology, May 2017

## Certifications

AWS Certified Solutions Architect Associate – May 2018 – May 2020