

Augusto Medina

augusto.medina962@gmail.com

PROFESSIONAL SUMMARY

Senior Software Engineer with 7+ years of hands-on experience operating AWS-based applications including DevOps, CI/CD, IaC, security, and cost optimization experience for regulated and customer-facing systems.

TECHNICAL PROFICIENCIES

Containerization: Docker, AWS ECS, Fargate, Azure Container Instances, Kubernetes

CI/CD & Release: GitHub Actions, Jenkins, AWS CodePipeline, Travis CI

Observability: CloudWatch, Coralogix, Prometheus, Grafana, New Relic, Datadog

Databases: AWS Glue, Athena, QuickSight, Redshift, MongoDB, RDS/SQL, DynamoDB

Networking: VPC, Security Groups, VPNs, ALBs, ASGs, PrivateLink, DNS (Route 53)

IaC: Terraform, CloudFormation, AWS CDK

Security & Compliance: AWS IAM, AWS WAF, Security Hub, AWS Config, KMS, GuardDuty, Snyk, HIPPA, FERPA, SOC1,

Identity: Okta, Microsoft Entra ID, Cognito

Compute & Cloud: Lambda, EC2, ECS, Fargate, AWS Step Functions

Languages: Python, Bash, PowerShell, Node.js, TypeScript, SQL, Go, Ruby, C#

AI: Claude, OpenAI, Cursor, DeepSeek

PROFESSIONAL EXPERIENCE

Senior Cloud Engineer - Stormlight Consulting, Remote

Dec. 2021 – Present

Infrastructure Automation and Optimization Projects

- Wrote and managed internal Terraform modules for Lambda, ECS, and other services to consistently create AWS infra across environments
- Reduced build count by ~65% with ECR-based artifact promotion processes for Fargate services
- Developed and operated GitHub Actions CI/CD pipelines supporting 1,200+ daily deployments, including automated quality gates, rollback mechanisms, and environment promotion strategies
- Identified \$33,000/mo in cost reductions for AWS, Snowflake, and other vendors with AWS Cost Explorer, Trusted Advisor & CloudZero
- Implemented observability and alerting improvements in Terraform service modules with CloudWatch Metrics & Alarms to provide +85% coverage for core services
- Gathered and presented compliance evidence as part of SOC1 audits with 100% acceptance rate
- Managed new production environment rollouts of +400 microservices and +10 microfrontends
- Developed a DORA metrics pipeline with +13k records/day via Lambda, MongoDB, and React
- Implemented static code analysis to optimize test coverage and reporting for +750 repositories
- Managed 12-environment Snowflake DB integration with AWS PrivateLink, Okta, and Terraform

Cloud Application Development Projects

- Re-architected internal environment-creation service and reduced avg. request time 85%
- Performed root-cause analysis on internal sandbox APIs to reduce creation error rates by +30%
- Developed Docker-based sandbox environments with Theia, openvscode-server, and AWS to provide on-demand development environments with a 0.89 second spin-up time average
- Built charging network emulator with Node.js, Python, and AWS Lambda to simulate 5G requests to demo to national telecoms

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- Developed internal Ops site with Vue.js, Cognito, Lambda, AppRunner & other AWS services
- Applied Amazon SageMaker ML models to improve churn prediction & decision-making
- Created multi-cloud serverless APIs to manage environment creation and improve response time
- Deployed multi-cloud services with Azure Container Instances, AWS Lambda and DynamoDB
- Integrated Stripe payments and workflows across subscription and single-purchase products

Cloud Architect - Witekio, Remote

Jul. 2020 – Nov. 2021

- Developed production-grade cloud and edge systems supporting 1000s of deployed devices
- Led cross-functional engineers in shipping fullstack IoT products (hardware/firmware/software)
- Integrated PKI with Azure Device Provisioning Service and IoT Hub for +10k devices
- Remotely debugged at-edge Docker containers with Azure IoT Hub debugging tools
- Architected data warehousing, analysis, and reporting infrastructure with BigQuery and Tableau
- Managed AWS, Azure, and GCP infrastructure for internal and client projects

Solutions Architect - Serverless Inc., Remote

Aug. 2019 – Apr. 2020

- Hit over +100% in final quarter quota as technical point of contact for enterprise sales deals
- Architected customer applications and provided regular design reviews of client systems
- Developed public guidelines for development best practices

Past Experience: Data Engineer, Support Engineer, Cloud Engineer - Misc. Organizations 2015 - 2019

- Managed a Petabyte-scale Redshift data warehouse with custom ETL and Fivetran
- Designed event-driven Python ETL on AWS with Step Functions, Lambda, and AWS Data Pipeline
- Wrote Python scripts to generate +5 weekly custom reports for billion-dollar retailers
- Optimized queries and table design for ETL processes against terabyte datastores
- Developed intricate AWS environments with CloudFormation templates
- Researched and implemented prototype applications as examples of AWS best-practices
- Created POC applications leveraging over 25 AWS services

EDUCATION AND CERTIFICATIONS

Amazon Web Services and Microsoft Azure Certifications

AWS Certified Developer – Associate

AWS Certified SysOps Administrator – Associate

AWS Certified DevOps Engineer – Professional

Microsoft Azure: Azure Developer Associate

AWS Certified Solutions Architect – Associate

Previously Held Certifications

AWS Certified Cloud Practitioner [Exp.]

AWS Certified Big Data – Specialty [Exp.]

AWS Certified Solutions Architect – Prof. [Exp.]

Magma (MT101x)

Bachelor of Arts

Whitman College

Walla Walla, Washington