

Matt Benedict

CLOUD & NETWORK ENGINEER

matt.benedict1701@gmail.com · github.com/sormin-the-red · linkedin.com/in/matthew-benedict · matt-benedict.cloud · Indianapolis, IN · Remote only

SUMMARY

I design and run production systems on AWS, serverless first, and I am just as at home in the network beneath them: VPC architecture, site to site VPN, routing, and firewall policy. A growing share of my recent work is containerized, packaging services with Docker and orchestrating them on Kubernetes for freelance clients. Backing that is a B.S. in Cloud & Network Engineering and ten certifications, among them the AWS Solutions Architect and CloudOps Associate credentials with CompTIA Network+ and Security+. What I enjoy is owning a system end to end and keeping it secure and cheap to run, with enough logging that I can tell what it is doing when something breaks.

CERTIFICATIONS

AWS Certified Solutions Architect – Associate · AWS Certified CloudOps Engineer – Associate · AWS Certified Cloud Practitioner · HashiCorp Terraform Associate · CompTIA A+ · Network+ · Security+ · Cloud+ · LPI Linux Essentials · ITIL Foundation

TECHNICAL SKILLS

<i>AWS</i>	Lambda · API Gateway · EC2 · S3 · DynamoDB · CloudFront · Cognito · IAM · VPC · Site-to-Site VPN · CloudWatch · WAF · ECS/Fargate · AppSync · Bedrock · Rekognition · IoT Core · SES · EventBridge · Secrets Manager
<i>Networking</i>	Hybrid cloud architecture · route-based IPsec Site-to-Site VPN (IKEv2, NAT-Traversal) · VLANs / 802.1Q trunking · zone-based firewalls · NAT / DNAT · DHCP · routing · subnetting
<i>Containers</i>	Docker · Kubernetes · container orchestration · containerized microservices
<i>IaC & CI/CD</i>	AWS CDK (C#, TypeScript) · Terraform · GitHub Actions · OIDC federation · AWS Amplify
<i>Languages</i>	C#/.NET · TypeScript · Python · C++ · PowerShell · SQL
<i>Tools</i>	Linux · Windows Server / Active Directory · VMware / Hyper-V · GNS3 · VyOS · Open vSwitch · Wireshark · Git / GitHub · SolidWorks PDM (administration and add-ins)

EXPERIENCE

CREATIVE WORKS *Indianapolis, IN*

July 2017 – Present

Cloud & Network Engineer

- Designed and deployed an event-driven IoT pipeline (Monday.com webhook → AWS Lambda → DynamoDB → AWS IoT Core → ESP32 devices) that pushes real-time job alerts to physical indicators at the machines, surfacing status for operators working away from their screens who would otherwise miss it.
- Led a MySQL → DynamoDB migration with a DynamoDB Streams rollup pipeline and EventBridge-scheduled sync for fast analytics reads; removed an unneeded NAT Gateway (~\$32/mo) by relocating the on-prem-bound job, after weighing the networking and maintenance trade-offs.
- Built a real-time WebSocket dashboard (API Gateway WebSockets + DynamoDB) that centralizes Monday.com time-tracking into one live view for five managers, replacing manual metric-pulling and showing at a glance who is tracking time and what each team member is working on.
- Engineered a SolidWorks file-viewing pipeline (Windows conversion worker + AWS Lambda + CDK, multi-table DynamoDB) along with a browser-based 3D model review application requiring no desktop CAD license.
- Sole architect and owner of the company's AWS environment, provisioning and operating the entire footprint as code with CDK and answering for its cost, security, and reliability.

PROJECTS

HYBRID-CLOUD NETWORK *Capstone* github.com/sormin-the-red/BSCNE-AWS-Capstone-Project--E030

On-prem site (GNS3): VyOS router/firewall, three-VLAN segmentation over 802.1Q trunking, screened DMZ, DHCP, and NAT/DNAT—bridged to an AWS VPC over a route-based IPsec Site-to-Site VPN (IKEv2 + NAT-Traversal). Cloud side: tiered public/app/data subnets with Security Groups + NACLs, VGW routing deliberately scoped to one on-prem subnet for least-privilege access—all in Terraform. Validated across eight test cases.

GLAZEVAULT *Serverless Backend* github.com/sormin-the-red/vitrify-backend

Domain-decomposed serverless API: nine bounded-context Lambdas behind one HTTP API, single-table DynamoDB with access-pattern GSIs, Cognito social OAuth and triggers, Bedrock generative-AI integration, Rekognition moderation, CDK infrastructure-as-code.

THE DUKE ONLINE *Real-time multiplayer* theduke-online.com github.com/sormin-the-red/TheDukeOnline

AWS AppSync (GraphQL + WebSocket subscriptions), Cognito, per-time-control Elo ratings, and a WAF + DynamoDB throughput-cap + Budgets guardrail layer. CDK end to end.

MKUNTZ-SITE *Serverless site* github.com/sormin-the-red/mkuntz-site

Keyless GitHub Actions + OIDC continuous deployment of CDK infrastructure; CloudFront edge-cached static reads keep visitor loads off Lambda entirely.

EDUCATION

B.S. Cloud & Network Engineering (AWS track) — Western Governors University · *coursework complete; conferring 2026*