

Simon Vega

Cloud Engineer, AWS

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STRENGTHS

- 🏗️ **Architecture judgment**
Compared migration paths with cost, risk, and availability in view; customer teams gained confidence in difficult design choices.
- ⚙️ **Operational ownership**
Production handoffs included rollback steps, monitoring thresholds, and incident guides; operations partners knew what success looked like.
- 👥 **Customer partnership**
Asked careful questions during agency workshops, then shaped practical plans that reflected user needs and delivery limits.
- ♥️ **Security discipline**
Connected diagrams, access records, and control evidence during reviews; security partners found decisions easier to trace.
- 🚀 **Adaptable growth**
Moved from systems troubleshooting into cloud architecture by taking on migrations, design reviews, and peer coaching with steady curiosity.

SKILLS

AWS Cloud architecture

Distributed systems

Solution design

Implementation plans

Lift-and-shift migration Networking

Storage Identity management

SaaS PaaS IaaS

Technical analysis

SUMMARY

Cloud Engineer with six years of **professional IT experience** supporting federal agency environments and production systems. Builds AWS architectures for **highly distributed applications**, balancing availability, reliability, scalability, security controls, and operational boundaries. Brings hands-on experience across SaaS, PaaS, and IaaS solution design, networking, storage, identity management, implementation planning, and lift-and-shift migration methods. Translates customer needs into practical alternatives, production-ready designs, and clear engineering, security, and operational documentation. AWS Certified Solutions Architect–Associate with a Bachelor of Science in **Computer Science**. Ready to bring disciplined cloud delivery, thoughtful customer partnership, and steady operational leadership to **Northstar Civic Systems** while helping federal programs move from design through dependable production service.

EXPERIENCE

Cloud Engineer

CivicBridge Technology Partners 📅 August 2023 - Present 📍 Arlington, VA

Owns AWS architecture and delivery for distributed federal case-management services across multi-account environments. Leads solution design, infrastructure automation, **security documentation**, customer decision support, and transition into operations. Work connects engineering quality with dependable service for agency users.

- Led **AWS** architecture for case-management services across multiple accounts, **Availability Zones**, VPCs, and production support boundaries, protecting service continuity.
- Translated agency objectives into EC2, ECS, S3, RDS, **Route 53**, IAM, and CloudWatch designs, giving customers practical **implementation plans**.
- Built reusable Terraform modules and deployment runbooks, creating repeatable infrastructure builds and clearer operational handoffs for **engineering** teams.
- Compared lift-and-shift, replatforming, and managed-service options, documenting cost, risk, availability, and schedule tradeoffs for customer decisions.
- Coordinated security-control evidence, architecture diagrams, data-flow records, and operating procedures through reviews with security and operations partners.
- Guided production transitions with rollback criteria, monitoring thresholds, and incident playbooks, keeping services within approved performance and security boundaries.

Cloud Solutions Engineer

BlueHarbor Federal Solutions 📅 July 2021 - July 2023 📍 Bethesda, MD

Designed AWS foundation patterns and migration plans for a federal analytics platform supporting distributed workloads. Combined architecture, delivery controls, documentation, and stakeholder analysis so solutions could progress from discovery through production readiness and operations.

Production readiness

Security documentation

LANGUAGES

English Native

Spanish Proficient

MY CAREER



● Cloud Engineer at CivicBridge Technology Partners (3 Years)

● Cloud Solutions Engineer at BlueHarbor Federal Solutions (2 Years)

● Systems Engineer at Meridian Public Sector Technology (11 Months)

- Designed AWS landing-zone patterns with segmented **networking**, centralized logging, encrypted storage, and role-based **identity management** for a federal analytics platform.
- Converted application dependency inventories into phased migration plans for 30+ services, separating low-risk lift-and-shift workloads from systems needing redesign.
- Improved **reliability** planning through multi-AZ deployment models, backup validation, health checks, and recovery procedures that clarified service expectations.
- Produced business and technical alternative analyses that helped stakeholders select ECS, RDS, and S3 configurations suited to workload sensitivity and operating cost.
- Built CI/CD workflows with **CodePipeline**, CodeBuild, and **Terraform**, adding approval gates and environment-specific configuration for controlled federal releases.
- Prepared engineering, security, and **operational documentation** used during production readiness reviews and transition-to-operations activities.

Systems Engineer

Meridian Public Sector Technology 📅 July 2020 - June 2021 📍 Baltimore, MD

Supported AWS-hosted applications for federal program teams across development and production environments. Strengthened troubleshooting, automation, migration preparation, monitoring, and review materials while building a foundation for broader cloud architecture ownership.

- Resolved **EC2**, IAM, VPC, load-balancing, and **storage** issues across development and production environments, reducing service disruption for federal program teams.
- Automated repeatable server and configuration tasks with **Python**, Bash, and **CloudFormation**, shortening manual deployment work for a small systems engineering group.
- Maintained network diagrams, asset inventories, access matrices, and operating procedures, improving traceability during security and infrastructure reviews.
- Supported on-premises migration planning by documenting dependencies, validating target subnets, and testing data-transfer and rollback procedures.
- Created **CloudWatch** dashboards and alarms for application health, then escalated capacity and availability risks with evidence from logs and service metrics.
- Participated in architecture and change-control reviews, turning implementation findings into actionable updates for **engineering**, security, and customer teams.

PROJECTS

Federal Analytics Cloud Migration 📅 2023

Mapped dependencies across 30+ services and shaped phased AWS migration paths. Customer workshops connected lift-and-shift candidates with security, cost, recovery, and operating needs, giving program leaders a clearer route into production.

Multi-Account AWS Service Foundation 📅 2024

Created a reusable AWS foundation spanning VPCs, IAM, CloudWatch, S3, and RDS. Architecture decisions supported flexible scaling, security controls, audit evidence, and smoother transition from engineering into operations.

LEADERSHIP & AWARDS

- Received a 2024 Engineering Impact Award for improving AWS delivery consistency across federal production services.
- Recognized by program leadership in 2023 for clear migration analysis and customer-focused architecture decisions.
- Led peer learning sessions on Terraform modules, AWS identity management, and production readiness documentation.

EDUCATION

Bachelor of Science in Computer Science

George Mason University 🎓 GPA: 3.7 📅 2020 📍 Fairfax, VA

Coursework: Cloud computing, computer networking, database systems, operating systems, software engineering

CERTIFICATIONS

- AWS Certified Solutions Architect–Associate 📅 2022
- AWS Certified Cloud Practitioner 📅 2021

TECHNICAL SKILLS

- **AWS Compute:** EC2, ECS, Lambda
- **AWS Storage:** S3, EBS, Backup
- **AWS Databases:** RDS, Aurora, DynamoDB
- **AWS Networking:** VPC, Route 53, Elastic Load Balancing
- **AWS Identity:** IAM, KMS, AWS Organizations
- **AWS Monitoring:** CloudWatch, CloudTrail, AWS Config
- **Infrastructure as Code:** Terraform, CloudFormation, HCL
- **CI/CD Platforms:** CodePipeline, CodeBuild, Git
- **Programming and Scripting:** Python, Bash, YAML
- **Cloud Service Models:** SaaS, PaaS, IaaS
- **Migration Methods:** Lift-and-shift, Replatforming, Dependency mapping
- **Documentation Systems:** Architecture diagrams, Data-flow records, Operating procedures

PROFESSIONAL AFFILIATIONS

- Member, Amazon Web Services User Group, Washington, DC, sharing practical cloud architecture lessons with regional engineers.
- Member, AFCEA Northern Virginia, connecting federal technology delivery with security, infrastructure, and mission needs.

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST