



# Dr. Brent Hollers

## Strategic Cloud Leader & Solutions Architect

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### Profile

Strategic Cloud Leader & Solutions Architect with 19+ years of experience managing complex technical programs and infrastructure modernization. Expert in leading high-stakes cloud migrations, securing \$100K+ in project funding, and designing scalable AWS environments for specialized technical workloads. Proven track record of translating complex technical designs into actionable strategies for executive stakeholders.

### Education & Certifications

#### AWS Cloud Solutions Architect

#### AWS Cloud Practitioner

#### Postgraduate Certificate in Cloud Architecture

University of Texas-Austin

#### Master of Science, Data Science

Eastern University

#### Doctor of Philosophy, Workforce Education

University of Georgia

#### Bachelor of Business Administration in Accounting

University of North Georgia

#### Google Cybersecurity Certificate

#### Microsoft Office Master Certification

### Key Projects

#### Enterprise Cloud Migration & Identity Modernization

Led the strategic overhaul of on-premises network infrastructure by migrating legacy domain services to **Azure Active Directory**. This initiative modernized identity management and secured a 1:1 Chromebook deployment for over 500 users, enhancing enterprise-wide scalability and security.

#### High-Availability Cloud Printing Migration

Engineered the migration of a local **PaperCut** server to a cloud-based solution. This project delivered significant cost savings by reducing on-site hardware footprints while achieving high availability and secure offsite printing access for a distributed user base.

#### Scalable AWS Academic Infrastructure

Designed and deployed a containerized environment on **AWS** to support practical Java programming and technical curriculum. This solution provided a scalable, high-performance platform for specialized technical workloads, demonstrating proficiency in **AWS container services** and resource orchestration.

#### Automated Cybersecurity Range & Lab Environment

Developed a cloud-native **Cyber Range** on **AWS** featuring an autoscaling Linux distribution. This controlled environment allowed for the real-time practice of cybersecurity principles, utilizing autoscaling to manage compute costs while maintaining performance during high-concurrency training sessions.

#### Browser-Based 3D Slicing via Containerized Cloud Deployment

Solved a critical hardware limitation by architecting a cloud-hosted, containerized version of **Bambu Lab Slicer** software. By leveraging cloud containers, users were able to access high-compute 3D slicing tools directly via a browser on low-power devices (Chromebooks), ensuring seamless technical access without local installation.

## Professional Experience

### Director of Information Technology & STEM

St. Mary's Academy

06/2021 – Present | Fayetteville, GA

- Overhauled network infrastructure, migrated servers and AD domain to **Azure**, deployed 1:1 Chromebook program, implemented cloud print server with Papercut.
- **Led Enterprise Cloud Migration & Infrastructure Modernization:** Directed the overhaul of all network infrastructure, including migration of domain services to **Azure Active Directory** and implementation of a 1:1 Chromebook program, significantly improving security and scalability for 500+ users.
- **Owned and Delivered Technical Programs on AWS:** Designed and deployed cloud-based solutions, including a **Cyber Range on AWS** for hands-on student training and an **AWS containerized environment** for practical Java programming, demonstrating proficiency in scalable cloud deployment for specialized use cases.
- **Managed Complex Program Lifecycle:** Successfully secured over **\$100K+ in grants** and managed the development of a comprehensive, multi-year STEM program that achieved **6-year accreditation in just 2 years** (typically 6 years), validating expert ability to define scope, allocate resources, and deliver on ambitious organizational goals.
- **Executive Stakeholder Management:** Served as the top technology leader, communicating IT strategy, risk, and technical roadmaps to the Board and executive leadership.

## Core Technical Competencies

### Cloud Architecture & Migration

Expertise in AWS and Azure environments, directing full-scale migrations from on-premises infrastructure to cloud-native identity and server solutions.

### Containerization & Application Modernization

Proficient in designing containerized deployments on AWS to deliver high-compute software via browser-based interfaces.

### Enterprise Identity & Access Management

Advanced administration of Azure Active Directory and IAM protocols to secure 500+ user environments.

### Infrastructure as a Service (IaaS)

Skilled in managing the lifecycle of cloud-based servers, including high-availability print servers and virtualized cybersecurity ranges.

### Data Strategy and Analytics

M.S. in Data Science with proficiency in PostgreSQL, Python, and AI/ML modeling to drive data-driven organizational decision-making.

### Strategic Stakeholder Management

Experienced in communicating complex technical roadmaps, risk assessments, and ROI to executive boards and cross-functional leadership.

### Program Lifecycle & Budgeting

Proven ability to manage large-scale technical programs, including securing \$100K+ in project funding and meeting accelerated accreditation benchmarks.

### Cybersecurity & Compliance

Expertise in developing cybersecurity programs and managing secure cloud environments, evidenced by high-performing certification results.