

DOTTINGTON FULLWOOD

CLOUD ENGINEER | AWS CERTIFIED SOLUTIONS ARCHITECT — ASSOCIATE

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PROFESSIONAL SUMMARY

AWS Certified Solutions Architect—Associate with hands-on experience deploying, securing, and troubleshooting cloud infrastructure. Technical background includes AWS networking, Linux, Python, PostgreSQL, and production website delivery. Brings experience in database development, independent consulting, and cross-functional program leadership, with an emphasis on reliable systems, practical problem-solving, and clear technical documentation.

TECHNICAL SKILLS

Cloud & Infrastructure: AWS (EC2, S3, VPC, IAM, CloudFront, Route 53, Lambda, API Gateway, DynamoDB, CloudWatch, WAF), Linux, DNS

Networking & Systems: TCP/IP, SSH, Security Groups, Load Balancing, Auto Scaling, System Troubleshooting

Programming & Data: Python, SQL, PostgreSQL, R, HTML5, CSS, Git/GitHub

Operations & Delivery: Monitoring, Incident Investigation, Root Cause Analysis, Deployment Verification, Technical Documentation

CERTIFICATIONS

AWS Certified Solutions Architect — Associate

AWS Certified Cloud Practitioner

SELECTED CLOUD ENGINEERING PROJECTS

Cloud Resume Challenge | AWS | docdott.com

- Architected and deployed a cloud-hosted portfolio using private Amazon S3, CloudFront with Origin Access Control, Route 53, and AWS Certificate Manager to deliver content securely over HTTPS.
- Developed visitor analytics and guestbook functionality using API Gateway, Lambda, and DynamoDB, troubleshooting IAM permissions, CORS configuration, and API integration issues.
- Implemented cloud security and operational controls, including access restrictions, monitoring, and deployment verification across application components.

Engagement 09 | Highly Available AWS Architecture

- Designed and deployed a multi-Availability Zone AWS architecture using VPC, EC2, Application Load Balancer, Launch Templates, and Auto Scaling Groups.
- Configured load balancing, health checks, and CPU-based scaling policies to support application availability and automated capacity adjustments.
- Validated infrastructure components independently, tested scaling behavior, and verified end-to-end application connectivity through the load balancer.

PROFESSIONAL EXPERIENCE

Cloud & Web Solutions Consultant

SirhurryUp Corporation | Independent Consulting
August 2026 — Present

- Designed and delivered production websites for clients, translating business requirements into responsive, functional solutions.
- Architected and deployed AWS infrastructure using private S3, CloudFront, Route 53, and AWS Certificate Manager to support secure HTTPS delivery.
- Managed source control, production updates, deployment verification, and troubleshooting using Git, GitHub, and AWS.
- Provided ongoing website maintenance and technical support, maintaining responsibility for operational reliability and client requirements.

Research Database & Technology Consultant

North River Geographic, Inc. | Project-Based Contract Consulting
2016 — Present

- Designed and implemented PostgreSQL relational databases to support research, data collection, and information management.
- Developed Python scripts to automate repetitive tasks and support data processing workflows.
- Analyzed and interpreted research data using SQL, R, and QGIS to support reporting and organizational decision-making.
- Conducted user research and developed Figma prototypes, translating stakeholder requirements into practical interface designs.
- Collaborated with clients and technical stakeholders to define requirements, evaluate solutions, and document technical decisions.

Associate Professor

Mayo Clinic | Jacksonville, FL
2022 — 2025

- Served as Principal Investigator for a Department of Defense \$5 million cancer survivorship research and digital health grant, directing research activities, coordinating multidisciplinary teams, and overseeing project delivery.
- Designed and implemented data workflows using R and PostgreSQL, developing interactive R Shiny dashboards to support research and program reporting.
- Maintained database and REDCap systems, establishing standardized processes aligned with research governance, regulatory, and Institutional Review Board (IRB) requirements.
- Coordinated eight concurrent initiatives across research, digital health, and community programs, managing requirements, timelines, and stakeholder collaboration.
- Translated complex research and operational requirements into practical technical solutions, supporting documentation, implementation, and adoption.

EDUCATION & LANGUAGES

Education: Doctor of Education (Ed.D.), Health Education | Columbia University

Languages: English (Native) | Spanish (Conversational)