

RYAN GREY

AI & Cloud Operations | AWS

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AWS-certified systems professional with 10 years in healthcare operations supporting \$1B+ in annual billing across 13 hospitals. Builds serverless applications, monitoring, secure CI/CD and native Apple apps.

CERTIFICATIONS

AWS Certified Cloud Practitioner (CLF-C02) | August 2026 | [Verify credential](#)

AWS Certified AI Practitioner (AIF-C01) | In progress, 2026

TECHNICAL SKILLS

Cloud & Operations: AWS Lambda, S3, EC2, VPC, CloudFront, Route 53, API Gateway, DynamoDB, CloudWatch, EventBridge, SNS, SES, Cost Explorer & Budgets

Security & Delivery: IAM/STS, OIDC, Cognito/PKCE, KMS, SSM Parameter Store, Git, GitHub Actions CI/CD

AI & Development: Amazon Bedrock, Python, FastAPI, Docker, SQLite, JavaScript, Bash, Swift/SwiftUI, MCP

Data & Systems: KPI dashboards, database analysis, Microsoft Access, SharePoint, Epic, Cerner, HIPAA/PHI

SELECTED AI & CLOUD PROJECTS

AWS Hosting, CI/CD & Monitoring | ryangrey.dev | 2026

Deployed private S3 hosting behind CloudFront with TLS and Route 53; built keyless GitHub Actions delivery with least-privilege OIDC roles, live-content verification, CloudWatch alerts and scheduled alert-path tests.

Cloud Watchtower | Swift/SwiftUI, CloudWatch, Cost Explorer, IAM/STS | 2026

Built a macOS health and spend monitor with temporary read-only credentials and custom SigV4 signing. Cache-first polling costs approximately \$0.12/month versus \$8.50 for a poll-everything design.

greyBot | Python/FastAPI, Docker, SQLite, AWS Lambda/DynamoDB | 2026

Built Discord administration, moderation, member verification, raid signups and searchable history with live OAuth authorization and a hash-chained event journal. Deployed persistent Docker services alongside AWS raid reporting, with conditional-write deduplication and local MCP integrations.

GreyScale | SwiftUI, Bedrock, S3, SQS, Lambda, DynamoDB | TestFlight, 2026

Built an iOS app and serverless backend with asynchronous AI meal-photo processing, on-device OCR and Cognito/PKCE authentication; enforced token-derived row keys and Query-only database access.

Multi-Client MCP Integrations | Python, MCP, macOS | 2026

Adapted Messages, Contacts, GreyScale and Discord integrations for Claude and Codex through shared configuration; built a macOS Contacts helper with a local socket bridge, validated parallel sessions and preserved write-confirmation controls.

PROFESSIONAL EXPERIENCE

Owner - E-Commerce Operations | 2019 - Present

Self-employed | eBay & Facebook Marketplace

- Manage resale operations, market research, pricing, listing copy and sales negotiations.

Medical Records / HIM Systems Coordinator | Jul 2017 - May 2019

Ballad Health (formerly Mountain States Health Alliance) | Johnson City, TN

- Standardized reporting and dashboards supporting \$1B+ in annual billing across 13 hospitals.
- Managed 3 direct reports and oversight for 18 coders; maintained system KPIs and HIPAA/PHI compliance.

Billing Applications Coordinator | Nov 2012 - Jul 2017

Ballad Health | Johnson City, TN

- Sole support for 6 revenue-cycle systems; built the dashboard reported daily to CFOs.
- Built a Microsoft Access database for 40+ staff, with monthly backups and executive reporting.

Patient Access Representative | Aug 2009 - Nov 2012

Ballad Health | Johnson City, TN

- Processed registration and insurance eligibility for up to 100 patients daily; trained staff during software launches.

EDUCATION & PROFESSIONAL DEVELOPMENT

Franklin University (Columbus, OH) & **East Tennessee State University** | CS coursework toward B.S.

Sabio Coding Bootcamp | Full-Stack Developer program, 2024 (not completed)