

Conner Reavill

Cloud Engineer | AWS Serverless & Infrastructure
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Professional Summary

AWS-certified Cloud Engineer operating a production serverless platform at ~\$75/month through cost-optimized Lambda, SQS, and S3 architecture. Specializes in Infrastructure as Code, event-driven systems, and AI/ML pipeline integration.

Technical Skills

Cloud Infrastructure: AWS (Lambda, S3, CloudFront, API Gateway, SQS, Route 53, Secrets Manager, Amplify), Serverless Computing, Monitoring & Observability (CloudWatch), Cost Optimization

Infrastructure & DevOps: Infrastructure as Code (AWS SAM, Terraform), CI/CD (GitHub Actions), Container Orchestration (Docker, Kubernetes), Serverless Framework

Distributed Systems: SQS (Event-Driven Architecture, DLQs), High-Availability Global Distribution, Resilience Engineering, Fault-Tolerance

Programming: Python, JavaScript/TypeScript, Node.js, SQL, Bash

AI/ML Integration: LLM APIs (OpenAI, Claude), Serverless AI Pipelines

Databases: React.js, Next.js 14, MongoDB, PostgreSQL, MySQL, Redis

Technical Projects

Social Spork: AI-Powered Recipe Platform | social-spork.com

- Architected decoupled AWS infrastructure (Lambda, SQS, S3, CloudWatch) designed for independent scaling and fault isolation.
- Implemented resilience patterns via SQS and Dead-Letter Queues (DLQs), ensuring data integrity and graceful failure handling.
- Achieved ~\$75/month operating cost through serverless architecture and pay-per-use resource optimization.
- Integrated AI/ML services (OpenAI Whisper/GPT-4o, Claude API) into serverless infrastructure for automated data extraction and transformation pipelines.

Wave-Finder: ML-Powered Surf Forecasting Platform | thewavefinder.com

- Designed high-availability global distribution architecture using AWS S3, CloudFront, and Route 53 to serve content efficiently and reduce infrastructure costs by 60% via serverless optimization.
- Configured Route 53 routing policies for high availability and low-latency global content delivery.
- Utilized Infrastructure as Code (AWS SAM/Terraform) and automated CI/CD via GitHub Actions for performant, reproducible deployments, reflecting a focus on streamlining and expediting new data.

Professional Experience

AI Data Specialist | DataAnnotation.tech | March 2024 – Present

Trained large-scale language models by curating datasets and evaluating system outputs for accuracy and coherence. Leveraged remote flexibility to complete advanced AWS cloud architecture training and accelerate certification readiness.

Front End Developer | BadabingMP | 2022 – 2023

Built responsive React.js web application, managing full development lifecycle. Implemented CI/CD pipeline using GitHub Actions to automate testing and deployment, reducing manual errors and accelerating delivery.

Systems Engineering Intern | Visa Inc. | Summer 2022

Optimized mission-critical mainframe (z/OS) systems processing millions of daily transactions, ensuring system stability. Collaborated with senior engineers on high-availability design principles for mission-critical financial systems.

Education & Certifications

California Polytechnic State University | Bachelor of Science in Software Engineering | May 2024

AWS Certified Solutions Architect – Associate | November 2025