Matthew Sweeney

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4x AWS-Certified Solutions Architect Professional with a B.S. in Data Analytics, specializing in serverless architecture, systems design, and full-stack development. Experienced in building scalable, asynchronous microservices across AWS, Azure, and on-prem environments. Skilled in data modeling, query optimization, and designing highly available, cost-efficient solutions that deliver lasting business value.

Work History

💼 Signature Flight Support – *Aircraft Refueler, Boston, MA (2016–2022)*

Fueled aircraft using established procedures, documented all fueling activities, and ensured compliance with safety standards while collaborating with flight and ground operations to support timely departures.

💼 Freelance Cloud Developer – *Remote (2023–Present)*

Delivered fault-tolerant cloud solutions for clients by leveraging my AWS expertise and infrastructure as code. Built CI/CD pipelines, supported hybrid-cloud integrations, and enforced access controls.

Education and AWS Certifications

B.S in Data Analytics - GPA **3.5**	🔗 https://parchment.com/u/award/c7a9f3070688e6cf24c38d374c318aa3
Solutions Architect Professional	🔗 https://credly.com/badges/81785049-8ee4-4c60-9154-e58e91298c09
Developer Associate	🔗 https://credly.com/badges/74d9f1a2-48bc-4a05-a6de-6314b8ccf274
SysOps Administrator Associate	🔗 https://credly.com/badges/6bfedc43-9bbc-4a87-952a-1f9ccf1d74c6

Resume Projects

🔗 https://api-limit-throttler.vercel.app

Developed a comprehensive IaC solution that automates the deployment, scaling, and monetization of any user-provided API service. Utilizes AWS SAM to provision a CloudFormation stack with authentication via Cognito, API Gateway usage plans, Lambda-driven billing logic, DynamoDB for managing API keys and usage data, and asynchronous processing with SNS, SQS, EventBridge, and DynamoDB Streams

🔗 https://kinesis-tutorial.vercel.app

Created a real-time streaming demo using Kinesis Data Streams, API Gateway, Lambda, and DynamoDB to visualize and animate event-driven data flow in response to live user interaction. Focused on shard iteration, metadata polling, stream scaling, and consumption patterns triggered by client-side events.

🔗 https://global-chat-docs.vercel.app

Built a real-time chat app with a React frontend and custom Socket.IO backend supporting complex state orchestration, session persistence, reconnection logic, and real-time user tracking across active sessions. Deployed to an AWS EC2 instance via Docker Compose with scripted provisioning and environment setup.