

Michael Moreno

(212) 470-0937

michaelmoreno@outlook.com

<https://mikesbytes.net/>

SUMMARY

Software Engineer with 10+ years of experience building scalable, cloud-native applications. Proven track record of delivering production systems, improving performance, and mentoring junior engineers. I've helped build everything from WinForms apps to multi-tier web apps and cloud-native distributed systems on AWS using C#, TypeScript, Python, and AI.

EMPLOYMENT

Medidata | *Senior Software Engineer*
New York, NY • Jun 2021 – May 2025

- Took new eCOA web app from initial implementation to MVP using C# and Python
- Integrated web app with third-party services via API integrations
- Optimized database interactions by improving EF Core query efficiency and data access patterns
- Introduced feature flagging (Unleash) to enable controlled, incremental feature rollouts
- Built XML transformation system, image processing pipeline, and Swagger generators
- Implemented ECDH-based encryption for secure API communication via AWS API Gateway
- Designed and implemented event-driven architecture to support system scalability
- Identified and resolved performance bottlenecks across services and infrastructure
- Ensured code coverage with unit and integration tests with xUnit
- Collaborated with the QA team to hunt down bugs
- Mentored junior engineers and onboarded Ruby developers to the .NET ecosystem
- Guided multiple summer interns

Renaissance | *Software Engineer III*
New York, NY • Oct 2018 – Jun 2021

- Developed and maintained microservices within an AWS-based architecture using ASP.NET Core and Next.js
- Migrated services from Redis to DynamoDB, improving scalability and reliability
- Reduced infrastructure costs by converting ECS-based services to AWS Lambda

TrialScope | *Software Engineer*

Jersey City, NJ • May 2016 – Oct 2018

- Reduced deployment time by 50% by enhancing internal deployment tooling
- Built applications to synchronize data between TFS and Zendesk
- Developed monitoring tools and reporting solutions using PRTG and SSRS
- Parsed and transformed XML documents with XQuery
- Developed and tuned SQL queries
- Fixed bugs and implemented new features in company's flagship application

Dynamic Data Concepts | *Software Engineer*

New York, NY • Nov 2012 – Oct 2015

- Built integrations with Google APIs for directory and contact management
- Designed SQL queries for performance-critical applications
- Developed .NET check processing software application interfacing with Epson check scanners

TECHNICAL SKILLS

Languages: C#, TypeScript, JavaScript, Python, Java, Go, SQL

Infrastructure: AWS (Lambda, ECS, API Gateway), Node.js, Docker

Frameworks: ASP.NET Core, Next.js, NestJS, Express

UI Technologies: React, MaterialUI, CSS, Tailwind, WinForms, Infragistics

Testing: xUnit, NUnit, Jest, pytest, unittest

Databases: PostgreSQL, SQL Server, DynamoDB, Redis, EF Core, Dapper

AI: GitHub Copilot, Claude Code, ChatGPT

Other: Git, Unleash, LaunchDarkly, Event-Driven Architecture, API Integrations

WRITING

My blog, 300+ followers: <https://michael-moreno.medium.com/>

Article "[Python is a Bad Programming Language](#)" reached 100k+ views

EDUCATION

Iona University — New Rochelle, NY

Bachelor of Arts, Computer Science