

AVRAHAM MOSHE

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SUMMARY

Senior Software Engineer with 7+ years building backend services in C# .NET Core on AWS. Build and maintain credit monitoring and alert delivery systems at Experian, running on ECS/Fargate, Lambda, S3, SQS, and SNS across all three major U.S. credit bureaus. Ship tested code, improve what's slow, and replace what's brittle.

TECHNICAL SKILLS

Languages: C#, Python, SQL, JavaScript

Frameworks: .NET Core 3.1/6/8, ASP.NET Core, Entity Framework, Dapper, Blazor, Vue.js

AWS: ECS/Fargate, Lambda, S3, SQS, SNS, DynamoDB, Secrets Manager, CloudWatch

Azure: Azure Functions, Azure DevOps, CosmosDB

DevOps: GitHub Actions, Docker, Terraform, Shell Scripting, Datadog, Splunk

Databases: SQL Server, PostgreSQL, DynamoDB, CosmosDB

Practices: Microservices, REST APIs, SOLID, CI/CD, Integration Testing (Specflow, Moq, NSubstitute)

EXPERIENCE

Senior Backend Software Engineer

Apr 2022 – Present

Experian | Costa Mesa, CA (Remote)

- Build and maintain the alert enrollment and delivery platform that processes credit monitoring events for Experian, Equifax, and TransUnion — handling both realtime API ingestion and batch file pipelines on AWS.
- Run containerized .NET Core microservices on ECS/Fargate backed by Lambda functions, S3, SQS queues, and SNS topics for end-to-end alert lifecycle management.
- Replaced a hard-coded event retry system — where every new retry required its own class and duplicated core logic — with a generic, data-driven retry framework that reduced new retry setup to a single metadata update.
- Resolved a Lambda bottleneck caused by growing event volume by restructuring batch chunking and introducing async parallel processing — enabling 50,000+ records per invocation within the 15-minute execution limit.
- Migrated production monitoring dashboards from Splunk to Datadog for the Realtime Enrollment API, improving visibility into system health and delivery metrics.
- Design DynamoDB table schemas and write the C# data access layer for alert storage; deliver RESTful APIs for partner alert feeds (iMARS, Chase) and ship releases through GitHub Actions CI/CD.
- Maintained and extended Python-based AWS tasks orchestrated by Control-M — including a GPG encryption/decryption service where I added Secrets Manager integration for key retrieval and file signing capabilities, and a task management utility for updating ECS task environment variables and controlling task lifecycle.

Application Developer

Oct 2020 – Mar 2022

IMC Digital Innovations (ANDMORE) | United States

- Shipped production microservices in C# .NET Core and Azure Functions, writing performant SQL with stored procedures, indexing strategies, and Entity Framework/Dapper for data access.
- Drove adoption of integration testing by building a Specflow POC that became the company-wide testing standard across all engineering teams.
- Built CI/CD pipelines in Azure DevOps paired with Terraform IaC and shell scripts, cutting manual deployment steps and speeding up release cycles.
- Created and published reusable C# libraries to an internal NuGet feed, removing duplicated logic and giving teams a shared, versioned codebase to build on.

Software Engineer

Jan 2018 – Aug 2020

BookXchange | North Miami Beach, FL

- Migrated the company off Excel spreadsheets and onto a PostgreSQL database with a C# .NET data layer, then built an internal web application that gave employees self-service access to query, pull, and fetch live data on demand.
- Built a procurement optimization tool that aggregated book pricing across multiple distributors and currencies, surfacing the best purchasing options to fill orders and significantly reduce overstock costs.
- Designed a centralized PostgreSQL database that consolidated distributor pricing, inventory, and transaction data — powering cost analysis, pricing decisions, and daily automated reports for logistics and sales.
- Wrote automation tools in C# and Python that replaced manual workflows across procurement, receiving, and inventory — including EDI integrations over FTP with distributors for automated ordering and live inventory sync.
- Built a self-service data portal on ASP.NET Core and Blazor (AWS EC2) where employees could look up book data by ISBN/SKU — with cache misses queued to RabbitMQ for async fetching, storage, and email notification on completion. Maintained legacy Python/Flask services and PostgreSQL databases.

EDUCATION

B.S. Computer Science — Florida International University, Miami

2023