

# Mark Bassily

Monroe Township, New Jersey

732-570-5607 | [markbassily2575@gmail.com](mailto:markbassily2575@gmail.com) | [linkedin.com/in/markb2575](https://linkedin.com/in/markb2575)  
[github.com/markb2575](https://github.com/markb2575) | [markbassily.com](https://markbassily.com)

## Summary

Full-stack developer specializing in **AI-powered** and **cloud-based** applications. Experienced in building and deploying production systems using **Next.js**, **NestJS**, and **AWS**. At **Litigation.gg**, implemented **MCP** server-client integrations and developed **APIs** for government data, deployed via **Railway**. At **SPOEM**, built **secure serverless** infrastructure leveraging **AWS Cognito**, **Amplify**, **Lambda**, **S3**, and **API Gateway**. Skilled in integrating AI technologies such as **RAG**, **MCP**, and **agentic workflows** to deliver intelligent, scalable product features. **AWS Certified Developer** focused on automation, data integrity, and modern backend systems.

## EDUCATION

### Rutgers University

BS, Computer Science

Sep 2020 - May 2024

## EXPERIENCE

### Litigation.gg

Full-Stack Developer

May 2025 - Present

Remote

- Built a parser to store the Code of Federal Regulations in PostgreSQL accessible through a NestJS API. Updated weekly with a cron job, ensuring **100%** up-to-date legal data.
- Created wrapper APIs for the Federal Reserve and FOIA with NestJS, saving days of redevelopment effort.
- Integrated MCP Server with a custom MCP Client. Automated resource generation from OpenAPI specs and reducing future code by **50%**.

### SPOEM

Backend Developer

Jan 2025 - Present

Remote

- Integrated Azure API with AWS Lambda and API Gateway, simplifying secure access to Dynamics 365 data, which improved data retrieval efficiency.
- Automated Azure secret rotation with Lambda + Secrets Manager, eliminating manual updates and downtime.
- Secured S3 downloads with signed URLs, reducing unauthorized access to **0**.
- Deployed the app using AWS Amplify, managing environment variables and deployment configurations, which streamlined the deployment process and improved application stability.
- Logged IP-based analytics with ip-api.com + AWS, capturing **100%** of user traffic location data.
- Created an API endpoint with AWS SES, enabling applications to send transactional emails directly to company domains.

### Self-employed

Freelancer

May 2024 - Present

Remote

- Created an online learning platform for churches, using Next.js and SQL.
- Created a RAG model to answer questions about HVAC PDFs.

### Clutch Holdings

Full Stack Software Engineer Intern

May 2023 - Aug 2023

Remote

- Developed and optimized full-stack features using PostgreSQL, Java, Scala, React, and JavaScript.
- Improved table loading times by **80%** with optimized REST API calls enabling seamless pagination.
- Added validation + confirmation pages, reducing invalid entries by **30%**.
- Wrote unit and integration tests to ensure reliable deployments and smooth updates to legacy systems.
- Collaborated in agile scrum workflows and managed ticket progress using Jira.

## CERTIFICATIONS

- **AWS Certified Developer - Associate:** Oct 2024 - Oct 2027

## PROJECTS

### Portfolio - AWS, Next.js, JSON | [markbassily.com](https://markbassily.com)

- Created a dynamic website to showcase my skills, experience, certifications, and projects. (**17+ projects**)

### videogen.lol - AWS, Next.js, Stripe | [videogen.lol](https://videogen.lol)

- Created a platform where users can generate "reddit story" style videos. Payments handled by Stripe.

## TECHNICAL SKILLS

- **Languages/Frameworks:** JavaScript (React, Next.js, NestJS), SQL (MySQL, PostgreSQL), TypeScript, Java, Python, HTML/CSS (Bootstrap, Tailwind), CSV, JSON, XML
- **Technologies:** Git, Docker, Express, Jenkins, Jira, Postman, Stripe, MCP, Rest APIs, Vercel, AWS (S3, API Gateway, DynamoDB, ECS, Cognito, Lambda, Secrets Manager, IAM, CloudWatch, Batch, Amplify), cron
- **Interests:** Machine Learning, PyTorch, HuggingFace, Web Scraping