

# Mark Bassily

New Jersey

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## Summary

Full-stack developer skilled in deploying complex applications and quickly mastering new technologies, with an expertise in new AI technology. At Litigation.gg and SPOEM, delivered impactful API integrations and backend systems using cutting-edge tools. Focused on employing adaptability and advanced technical skills to create innovative digital solutions in the target role.

## EDUCATION

**Rutgers University** | *BS, Computer Science*

**Sep 2020 - May 2024**

## EXPERIENCE

**Litigation.gg** | *Full-Stack Developer*

**May 2025 - Present**

- Built a parser to store the Code of Federal Regulations in PostgreSQL and integrated it with an API using NestJS, including a daily cron job to keep the data up to date, which improved data accessibility and reliability for users
- Created and connected wrapper APIs for the Federal Reserve and FOIA with an API built with NestJS, making third-party data easier to use.
- Integrated MCP Server with a custom MCP Client to support chatbox interactions, fetching relevant resources based on user prompts and generating context-aware responses, which enhanced user engagement and response accuracy

**SPOEM** | *Backend Developer*

**Jan 2025 - Present**

- Integrated Azure API with AWS Lambda to securely query data from Microsoft Dynamics 365 via AWS API Gateway and AWS Secrets Manager, enhancing data retrieval efficiency and security
- Automated Azure secret rotation using AWS Lambda and AWS Secrets Manager, generating and storing new client secrets before expiration, which improved security and reduced manual intervention
- Secured file downloads in S3 by restricting access and enabling authorized users to generate signed URLs, ensuring data privacy and compliance with security protocols
- Deployed the app using AWS Amplify, managing environment variables and deployment configurations, which streamlined the deployment process and improved application stability
- Implemented IP-based analytics using ip-api.com and AWS to log and analyze user location data, providing insights into user demographics and enhancing targeted marketing strategies
- Created an API endpoint to send transactional emails programmatically using AWS SES, improving email delivery efficiency and reliability

**Self-employed** | *Freelancer*

**May 2024 - Present**

- 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**

- 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.
- Implemented validation and confirmation pages, reducing invalid data entries and manual cleanup.
- 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** | [markbassily.com](https://markbassily.com)

- Created a dynamic website to showcase my skills, experience, certifications, and projects.

**videogen.lol** | [videogen.lol](https://videogen.lol)

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

## TECHNICAL SKILLS

- **Languages/Frameworks:** Java, SQL, Python, JavaScript, React, HTML/CSS, Bootstrap, Next.js, Tailwind, TypeScript
- **Technologies:** Git, Docker, AWS, Express, Jenkins, Jira, Postman, Stripe, MCP
- **Interests:** Machine Learning, PyTorch, HuggingFace, Web Scraping