Mark Bassily

Monroe Township, 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

Sep 2020 - May 2024

BS, Computer Science

EXPERIENCE

Litigation.gg May 2025 - Present

Full-Stack Developer

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 Jan 2025 - Present

Backend Developer

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 May 2024 - Present
Freelancer 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 May 2023 - Aug 2023

Full Stack Software Engineer Intern

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

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

videogen.lol - AWS, Next.js, Stripe | 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