

# Mark Bassily

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[markbassily.com](https://markbassily.com)

## EDUCATION

**Rutgers University**  
*BS in Computer Science*

New Brunswick, NJ  
*Sep. 2020 – May 2024*

## EXPERIENCE

### Full Stack Software Engineer Intern

May 2023 – Aug. 2023

*Clutch Holdings*

*Remote*

- Designed and maintained database queries, API endpoints, and front-end pages using PostgreSQL, Java, Scala, React, JavaScript, HTML, and CSS.
- Developed and optimized Restful API calls resulting in 80% reduction in table loading times which allowed for seamless pagination within the web application.
- Implemented validation and confirmation pages on forms, reducing developer time spent on manually removing invalid rows from database.
- Constructed unit and integration tests for smooth deployment and ensured robust legacy system updates using HTML and JQuery.
- Collaborated in an agile scrum environment, where we addressed holdup, progress, and potential bugs allowing for clear and consistent communication.
- Used Jira to manage ticket progress to ensure development goals were met while working on multiple complex tickets.

## CERTIFICATIONS

**AWS Certified Developer - Associate**

Oct. 2024 – Oct. 2027

## PROJECTS

### Portfolio | *Next.js, TypeScript, Tailwind, CSS, Vercel*

- Hosted a website to showcase my skills, experience, certifications, and projects on Vercel.
- Showcases modern UI and animations while remaining performant.
- Can be viewed at [markbassily.com](https://markbassily.com).

### Jukeboxd | *React, Express, SQL, Bootstrap, Python, CSV*

- Developed a social music platform utilizing React, Express, and MariaDB, featuring a modern UI styled with CSS and Bootstrap.
- Implemented paginated search for 40,000+ results, secured accounts with JWT authentication, and encrypted passwords.
- Used Python to parse CSV files and populate SQL database entries for tracks, albums, and artists.

### till-failure | *React Native, Web Scraping, JSON*

- Developed a gym workout planning and tracking app using React Native.
- Includes 500 exercises rated for effectiveness, filterable by target muscle.
- Features animations and a modern design.

### Daily Blessings | *Next.js, TypeScript, Tailwind, Drizzle ORM, SQL, BetterAuth*

- Engineered a full-stack app for managing classes, students, and teachers, allowing students to answer questions daily and teachers to review.
- Handled tasks like database schema design, authentication, middleware, and API usage examples.
- Provided guidance to other team members on React component creation, API design, and database manipulation.

## TECHNICAL SKILLS

**Languages/Frameworks:** Java, SQL, Python, JavaScript, React, HTML/CSS, Bootstrap, Next.js, Tailwind

**Technologies:** Git, Docker, AWS, Express, Jenkins, Jira, Postman

**Interests:** Machine Learning, PyTorch, HuggingFace, Web Scraping