DANIEL MATHEWS

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FULLSTACK SOFTWARE ENGINEER

Full-stack software engineer with a broad background in banking operations and over six years of experience driving innovation within fintech. Driven by a passion for continuous learning, imaginative problem solving, and growth mindset.

TECHNICAL & INTERPERSONAL SKILLS

Languages: JavaScript, TypeScript, Python, HTML5, CSS3
Libraries and Frameworks: React, Node, Express, NextJS, Sequelize, Mongoose
Databases and other: PostgreSQL, MongoDB, RESTful Routing, Postman, JSON API
Interpersonal skills: Attention to detail, team management, excellent verbal and written communication skills

TECHNICAL PROJECTS

NewsLingo - [GitHub](#) | [App](#) – JavaScript | React | MongoDB | Node.js | Express.js | RESTful API | JWT
An interactive language learning platform that connects students with news articles in their target language, provides word translations on demand, and allows users to easily store word translations in their custom dictionary of flashcards
- In collaboration with two other engineers, built MERN stack app, utilized React to build reusable components for consistent user experience and a mobile-first, Flexbox design
- Implemented JSON Web Token authorization and authentication to protect users' data on the app
- Connected to multiple APIs for dynamic sourcing of news articles and translating words with a single click
- Scrum managed team to deliver features in iterative sprints within the Agile framework while preventing merge conflicts

RabbitHole - [GitHub](#) | [App](#) - TypeScript | React | PostgreSQL | Node.js | Express.js | RESTful API | JWT
Social media application that serves content to users based on their history of viewing or liking prior posts. An exercise in exploring how social media algorithms learn and adapt to their users' inputs
- Independently created, styled, and built a PERN stack app in TypeScript with JWT
- Leveraged Sequelize to create and maintain PostgreSQL database in Supabase

Trail Rider - [GitHub](#) | [App](#) – JavaScript | MongoDB | Node.js | Express.js | EJS
Web-based application that structures client requests via forms for collecting required data, alerts the business to the request, and presents the business with an interactive database for scheduling, managing, and tracking appointments
- Independently created, styled, and built a MEN stack app to help a local business manage client appointment bookings
- Leveraged Google OAuth to secure access to the application and create three tiers (admin, staff, client) of authorization within the app

Wordle: Easter Edition - [GitHub](#) | [App](#) - JavaScript | HTML | CSS3
Holiday-themed clone of the popular web-based game owned by the New York Times
- Created and styled responsive application using CSS3 with Flexbox and Flexgrid layouts
- Utilized timers and intervals to render hints based on an algorithm that evaluates the accuracy of inputs at each turn

EXPERIENCE

Bank of New York Mellon, Vice President – Business/Technology Liaison   *New York, NY, 04/2021 - Present*
- Design, plan, and execute large-scale technology innovation programs to address client feedback and demands for new features incrementally under the Agile framework
- Write requirements and analyze technical solutions in collaboration with Product Management and Business Stakeholders
- Create testing plans, oversee development, and implement applications and microservices-based system improvements
- Executed multi-year program to overhaul firm-wide Foreign Exchange trade booking practices

General Assembly, Full Stack Software Engineering Fellow   *Remote, 03/2023 - 06/2023*
- Intensive training in web development that led to 3 full-stack apps with Node/Express frameworks, SQL (PostgreSQL) or NoSQL (MongoDB) backend architectures, REST services, and API integrations
- Developed responsive, intuitive, and interactive UIs using object-oriented programming (JavaScript ES6, TypeScript)
- Coordinated a team of engineers to write clean, maintainable, and scalable code adhering to industry best practices

Goldman Sachs, & Co., Vice President – Asset Servicing Client Service   *New York, NY, 03/2014 - 03/2020*
- Managed a team of 8 Relationship Managers, covering the Americas' client base in all aspects of operations
- Collaborated with prod dev to prioritize, design, and implement technology that ensures excellent client experiences

EDUCATION

General Assembly   *Remote, Graduated: 06/2023*
Full-stack software engineering 420+ hour program focused on fundamentals of data structures, object-oriented programming, MVC frameworks, data modeling, product development, and team collaboration strategies

Marymount Manhattan College, B.A. in International Studies   *New York, NY, Graduated: 05/2008*