



TIERNAN DEFranco

× Software Engineer ×

EXPERIENCE

✦ (2023 - Present) Founder & CEO / Fullstack Developer

HealthMode LLC

- Full Stack Developer responsible for all aspects of development on the frontend and managed the API and database.
- Developed native cross-platform iOS and Android applications using the .NET MAUI framework on the frontend.
- Implemented a backend service using ASP.NET Core Web API, which was hosted on AWS Lambda and integrated with API Gateway.
- Managed a MS SQL Server database containing over 500,000 food entries with comprehensive nutritional data.
- Implemented frontend features to fetch food data seamlessly and quickly
- Designed a dynamic food-add page which allowed customization before being added to a local SQLite database
- Working on a React/TypeScript version for web with Next.js

PERSONAL PROJECTS

✦ Fauxnance Banking

- Developed 'Fauxnance Banking', a web-based finance simulation app, combining my programming skills with a passion for finance.
- Enabled user functionalities such as account creation, handling a simulated \$10,000 sign-up bonus, and management of various account types.
- Created realistic finance features including account creation, internal transfers, and peer to peer transfers.

✦ Card Compare

- Developed a single-player card game utilizing React and TypeScript
- Implemented complex state management logic to handle dynamic game interactions and player decisions
- Designed and managed game elements including player hands, card piles, discard pile, and complex scoring system
- Utilized Firebase auth for user authentication and firestore for highscore data storage

EDUCATION

✦ (2018 - 2022) High School Diploma

Cuyahoga Heights High School

- Graduated with 4.3 GPA
- Earned 4 AP Credits
- Achieved 7 REACH Medals for academic excellence

CONTACT

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SKILLS

- JavaScript / TypeScript / React
- C#, .NET MAUI, ASP.NET
- HTML, CSS, Tailwind CSS
- AWS: Lambda, API Gateway, RDS, S3, CDN
- MS SQL Server, SQL
- Firebase
- Web Development

ABOUT ME

Skilled Software Engineer with 4 years of experience, with skills in C# and a strong background in startup development. Currently shifting focus towards React & TypeScript, with a keen interest in fintech applications. Proficient in web development frameworks, I excel in UI/UX design and efficient database management. With a blend of technical expertise and innovative thinking, I am well-prepared to tackle challenges and contribute significantly in the dynamic world of financial technology