Raul Malik

raul.malik@outlook.com | raulmalik.com | Linkedin | Github

Education

Technical University of Denmark - DTU, BEng in Software Technology · · · · · · Sept 2024 – May 2027
- **Coursework:** Software Development & Engineering, Systems & Architecture, Data & Security, Mathematics & Theoretical Foundations

Experience

Front-End developer, HurryUpFood · · · · · · August 2022 – October 2022
- UI Design: Created and implemented the user interface for meal ordering, including filters for cuisines such as Italian, Indian, and desserts.
- UI Blueprint Development: Developed UI blueprints to ensure consistent design and functionality across the entire application.
- Feature Integration: Enhanced user experience by integrating intuitive filtering options, facilitating efficient and personalized meal selection.

Projects

MyMasjid iOS widgets
- API Integration: Reverse engineered an API using network sniffing and consumed RESTful endpoints for fetching prayer times via URLSession and JSON parsing.
- Data Caching: Saved next-day schedules locally (UserDefaults/Core Data) to minimize network calls and allow offline access.
- Widget UI: Developed dynamic interfaces (SwiftUI/WidgetKit) to display real-time prayer updates on the home screen & lockscreen
- Periodic Scheduling: Utilized BGAppRefreshTaskRequest for background updates and accurate daily calculations.
- *Tools: Swift, Xcode, SwiftUI, WidgetKit, Core Data, URLSession*

DeFi Yield Tracker
- API Integration: Connected to DeFi platforms (e.g., Uniswap, Aave) using Python to fetch real-time data.
- Data Analysis: Analyzed yield trends and calculated APYs with Pandas and NumPy.
- Desktop Application: Built a C# WPF app for monitoring DeFi investments with key metrics and visuals.
- Portfolio Management: Allowed users to manage their DeFi assets and track performance using SQLite.
- User Notifications: Implemented alerts for significant portfolio changes to aid proactive management.
- Security Measures: Added basic authentication and data encryption for user data protection.
- *Tools: Python, C#, WPF, SQLite, Pandas, NumPy, RESTful APIs, Git, Visual Studio*

Technical skills

Languages: Proficient in Java, Python, C#, SQL, JavaScript, HTML5, CSS

Technologies: Git, SQL, Docker, Django, .NET, MariaDB, XCode,

Certificates

Codecademy: Java Certificate of Completion

Codecademy: Python Certificate of Completion