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GitHub: github.com/omidshz100

Summary:

Experienced software developer with 4+ years of expertise in building secure, scalable applications across mobile, web, and blockchain. Skilled in iOS development, full-stack engineering, and smart contract development, with a strong focus on UX, security (OAuth, JWT, encryption), and reliable network architecture. Passionate about integrating AI, automation (n8n), and CoreML to enhance app intelligence and streamline workflows in collaborative, agile environments.

Education

- **Data Science** at Federico II University, Naples, Italy (September 2025 – Present)
- **Apple Developer Academy** – University of Federico II, Naples, Italy (September 2022 – June 2023)
Gained comprehensive knowledge in clean coding principles, MVC/MVVM architectures, and high-quality app development in the Apple ecosystem.
- **Bachelor's in Information Technology Engineering** – University of Zanjan, Iran (September 2011 – June 2015)

Work Experience

- **iOS Software Developer | Apple Developer Academy** (Individual & Team Projects)
Naples, Italy (June 2023 – 2024)
 - Contributed to several team-based apps like: sports management, budgeting, and skincare routines
 - Created solo projects such as Budget Management App, GPT Token Calculator, and CleanSleep (CoreML-based sleep analysis app)
 - Focused on iOS development with emphasis on UX, CoreML, and network reliability
- **iOS Developer | Hamrah Afzar Rasa**
Zanjan, Iran | 2018 – 2022
 - Developed MediaRasa (secure social network for children) and City Map (tourism app with animated UI)
 - Collaborated in an English-speaking environment with cross-functional teams
- **iOS Developer | Persian Sanat Behkar**
Zanjan, Iran | 2017 – 2018
 - Built an e-commerce app with real-time order tracking and location services
 - Integrated third-party libraries (e.g., Google Maps) and secure authentication features

Technical Skills

- iOS Development: Swift, SwiftUI, UIKit, Combine, CoreML, MVC/MVVM
- Security: OAuth, JWT, encryption, secure data storage
- Networking: REST APIs, Supabase, Firebase, JSON handling
- Frontend/Backend: React, React Native, FastAPI, Express.js, TailwindCSS
- Databases: MongoDB, PostgreSQL, SQLite

- Tools & Platforms: Git, Docker, Hardhat, Xcode, GitHub Actions, n8n automation
- Analytics: Firebase Analytics, App Store Connect
- Other Skills: Responsive Design, Testing, Smart Contract Development

Languages

- Persian (Native)
- English (Advanced)

Projects

- **Movie Recommendation System**

Description: A movie recommendation engine using NMF model with RESTful API to suggest similar movies

Tech Stack: Python, FastAPI, SQLite, Scikit-learn, HTML/CSS/JavaScript

GitHub: github.com/omidshz100/movie-recommendation-system

- **MealFunding Smart Contract**

Description: A smart contract-based DApp for funding meals with emergency stop and daily withdrawal limits

Tech Stack: Solidity, Hardhat, JavaScript, HTML

Highlights: Event logging, full testing suite, smart contract security

GitHub: github.com/omidshz100/contract1

Real Estate Mobile App

Description: Mobile app for browsing, favoriting, and viewing property details with modern UI

Tech Stack: React Native, Expo, TypeScript

GitHub: github.com/omidshz100/real-state-app

CleanSleep App

Description: iOS sleep recommendation app using CoreML to predict optimal bedtime based on user input

Tech Stack: Swift, SwiftUI, CoreML

GitHub: github.com/omidshz100/CleanSleep

GPT Token Calculator

Description: SwiftUI-based tokenizer for analyzing text and displaying token counts using GPT models

Tech Stack: SwiftUI

GitHub: github.com/omidshz100/Ideas

Travel App

Description: iOS app with search and API-based image retrieval functionality

Tech Stack: Swift, UIKit

GitHub: github.com/omidshz100/TravelApp