

OMID MIRZAEI

Senior Full-Stack Engineer | Mobile-First | Flutter, Crypto & AI-Enabled Products

Dubai, UAE | omidomirzaei@gmail.com | +44-7476-657450 | [LinkedIn](#) | [GitHub](#)

Senior Full-Stack Engineer with **7+ years** building production **mobile, crypto** and fintech products, with deep expertise in **Flutter and Dart**. Hands-on backend contributions across **APIs, webhooks**, payment flows and third-party integrations. Works with an **AI-assisted engineering** workflow, architecture planning, implementation, testing, debugging and documentation.

PROFESSIONAL EXPERIENCE

BlockLabs, blocklabs.io,

Dec 2024 – Present

Senior Software Engineer

Blockchain infrastructure and Web3 technology company

Best Wallet – Multi-Chain Non-Custodial Crypto Wallet: Developed and maintained **Best Wallet**, a non-custodial multi-chain cryptocurrency wallet serving **100K+ active users**, enabling secure asset management, cross-chain swaps, staking, token launches, and fiat on/off-ramp services across multiple blockchain ecosystems. bestwallet.com

- Delivered Flutter features across wallet management, authentication, transactions, **swaps, staking**, presales and analytics.
- Built production integrations with **Wirex** (card payments), **WalletConnect** (Reown), **Firestore**, **Sentry**, **Segment**, **Customer.io** and **Intercom**, powering payments, analytics, support and observability.
- Integrated **Fireblocks MPC Wallet** infrastructure for secure **transaction signing** and enterprise-grade digital asset security.
- Wrote **comprehensive unit and widget tests**, improving application stability and reducing regression issues during releases.
- Participated in **backend development** by implementing and integrating **Go services, payment flows, Fireblocks webhooks**, and API improvements for internal systems.
- Wrote unit and widget tests raising coverage of payment and authentication modules to 90%, reducing release regressions.
- **Leveraged LLMs** (Claude, Gemini, Cursor) for architecture, debugging, test generation, code review, refactoring, documentation, and implementation planning.

CoDeTech, codetech.cc

MAR 2021 – DEC 2024

Senior Flutter Developer

Blockchain-based software and technology provider

Corepass - A Blockchain-based Digital Identity Platform: Developed Corepass, a decentralised mobile application serving as a single digital identity with full KYC verification. Corepass offers users a secure, feature-rich platform for digital identity across various services. corepass.net

- Seamlessly integrated KYC processes for streamlined user onboarding.
- Wrote reusable unit test documents to ensure quality control and detect bugs by increasing over 35% efficiency rate.
- Established reusable unit-test suites across both apps, catching regressions before release.

XCB HODLER - Core Coin Wallet: Developed and launched the XCB HODLER App, the official Core Blockchain wallet, designed to manage Core Coin (XCB) transactions with ease and security. [XCBHodler-Android](#), [XCBHodler-iOS](#)

- Integrated the Payto protocol, ensuring fast, seamless transactions within the Core Blockchain ecosystem.
- Integrated Core blockchain and Core Wallet integration, facilitating **\$1.5 million** in user transactions monthly.

Heyo - A Blockchain-based Messaging Application: Developing a fully decentralised, serverless, and end-to-end encrypted messaging application, utilising WebRTC and Wi-Fi Direct technologies, blockchain node history, and cryptography.

SRico, srico.ir

AUG 2020 – MAR 2021

Senior Flutter Developer

Mobile e-commerce application provider

- Led Flutter delivery for Rochi (e-commerce): real-time order tracking, notifications and in-app payments, increasing transaction completion by 15%.

Pardakht Novin Arian, pna.co.ir

DEC 2019 – MAY 2020

Flutter Developer (Online Banking Application)

- Implemented mobile banking and payment workflows using Flutter, Bloc and APIs in collaboration with backend and QA teams.

Ratanet - Kian Tejarat Sharif Co, ratanet.com, kiantc.com

FEB 2018 – NOV 2020

Senior Front-end Developer (Online Enterprise banking and financial web applications)

SKILLS & EDUCATION

Mobile: Flutter, Dart, Bloc, GetIt, Firebase, Dio, Deep Linking, Unit & Widget Testing

Backend: TypeScript, NestJS, REST APIs, Webhooks, MongoDB, Redis, AWS, Docker

Domain & Delivery: Web3, Crypto Wallets, Fireblock, WalletConnect, WebRTC, CI/CD, GitHub Actions, AI-Assisted Engineering

Education: Azad University — MSc in Software Engineering