Mohammad Kanaan

Full-Stack & Mobile Developer

mohammadkanaan.me@gmail.com • mohammadkanaan.dev • MohammadKanaan • mohammad-kanaan-dev

About

Full-stack developer building fast, responsive products, from real-time financial platforms to open-source tools. I care about performance at scale and clean architecture. I like to own features from end to end and deliver real value to customers.

Professional Experience

Sowlutions inc., Software Engineer (Mobile & Web) Feb 2025 – present

React, Next.js, Express, React Native, Vue, Nuxt, TypeScript

- **Led the frontend team** of a B2B real-estate financial platform. Owned features end to end, **took requirements directly from the founders**, and contributed to product decisions.
- Designed a **custom event-driven rule engine** and reactive outlier detection. **50 rules run in milliseconds** against nested financial data as users edit, flagging errors, surfacing missing revenue, and blocking invalid actions, while IQR and variance checks catch anomalies across large tables.
- **Introduced AI coding agents to the team** and led knowledge-sharing sessions on new discoveries.
- Cut the main data table's load time from **2 minutes to 1.5 seconds (about 80x)** by precomputing values and virtualizing rendering. Then found and fixed the memory leak the virtualization introduced.
- Redesigned a hybrid art-auction app with a cleaner UI, a performance pass, and robust live bidding over WebSockets.
- Migrated an app from **React Native 0.6x to 0.79** as a full new-port rebuild, keeping Play Store releases alive.
- Maintained Android SDK compliance across **5 apps** through a full SDK cycle, including migrating Kotlin native modules.
- Built the **licensing flow for a talent-agency marketplace**, covering counter offers, term-based and single-use licenses, extensions, and scenario-based refunds.
- Took over a distributed moderation system with no handoff, located the database, and shipped backend and frontend fixes.
- Introduced Vitest unit tests and Playwright scenario and flow tests. Owned web deploys and ran technical demos for stakeholders.
- Optimized scrolling performance in listing-heavy screens using FlashList.
- Integrated Stripe payments and Microsoft enterprise SSO.
- Collaborated with cross-functional teams and clients across time zones to scope features and technical trade-offs.
- Managed urgent production issues and last-minute bug fixes during deployments to ensure release stability.

Projects

Echo

A calm, chronological social network with nested threads, quotes, reposts, real-time chat, and an admin dashboard.

- Next.js 16, React 19, TypeScript, Prisma, PostgreSQL.
- Live at social.mohammadkanaan.dev.

nomnom

An extensible file watcher for local automation. The core fires change events; plugins do the actual work.

- Python, CI/CD.
- Published to PyPI.

Enhanced Memos Sync
An Obsidian plugin that syncs a self-hosted Memos instance into your vault, each memo as its own Markdown file.

- TypeScript, Obsidian API, Bun, Vitest.
- Published to the Obsidian Community Plugin Store.

Skills & Personal

Languages: Arabic (Native), English (Fluent), French (Intermediate)

Programming: JavaScript (ES6+), TypeScript, Rust

Frontend: React & Next.js, React Native & Expo, Vue & Nuxt

Backend: Node.js, Express, GraphQL, REST, Laravel

Data & State: MobX, React Query, Pinia, WebSockets

Testing: Vitest, Playwright

Mobile & Releases: iOS & Android Deployment, SDK & Dependency Management, Crash Debugging, Play Store & App Store Releases

DevOps: Git, CI/CD, Docker

Certificates

CS50's Introduction to Programming with Python — Harvard University

Education

BSc **Al Maaref University**, Computer Science — Sept 2022 – July 2025