

# Mohammad Kanaan

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## PROFESSIONAL EXPERIENCE

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### Sowlutions inc.

#### Web frontend Developer

*August 2025 – Present*

- Developed complex financial features using Vue, Nuxt, and TypeScript.
- Built computation-heavy, high-performance pages capable of handling thousands of rows and columns with real-time updates.
- Optimized large, editable data tables to ensure responsiveness, stability, and smooth user interaction at scale.
- Implemented performance improvements to efficiently manage large datasets and dynamic UI rendering.
- Led feature development initiatives, maintaining architectural context while onboarding and offboarding team members.
- Conducted technical demos to showcase new features and architectural decisions to stakeholders and internal teams.
- Shared agentic and architectural knowledge with the team to improve development workflows and problem-solving approaches.
- Participated in cross-functional client meetings to discuss scope, feasibility, and technical trade-offs.
- Reviewed and validated technical documentation to ensure clarity and implementation accuracy.
- Collaborated with distributed teams across multiple time zones.
- Managed urgent production issues and last-minute bug fixes during deployments to ensure release stability.

#### Mobile Developer

*feb 2023 – August 2025*

- Built high-performance, computation-heavy financial features across multiple projects, including pages handling thousands of rows and columns with live updates, optimized editable tables, and responsive interactions.
- Developed scalable frontend applications using Vue, Nuxt, React, Next.js, and TypeScript across web and mobile projects, ensuring maintainable architecture and high-quality user experiences
- Implemented live bidding functionality using WebSockets for low-latency, real-time updates.
- Integrated secure authentication flows and session management.
- Optimized high-performance listings using FlashList to significantly improve rendering efficiency and scrolling performance.
- Built and maintained complex bidding logic, handling asynchronous side effects and real-time state synchronization.
- Managed global state using MobX to ensure scalable and maintainable architecture.
- Introduced smooth animations and gesture handling to enhance user experience and interaction quality.
- Led UX refinements and UI detail improvements to elevate product polish and usability.
- Participated in client meetings and product discussions to gather requirements and align technical implementation with business goals.
- Translated client requests into actionable user stories and technical tasks.
- Suggested improvements to application flows and user experience based on technical feasibility and usability best practices.
- Integrated and maintained native packages, resolving platform-specific issues across iOS and Android.
- Diagnosed and resolved production crashes, improving overall application stability and reliability.
- Maintained and refactored legacy codebases to improve performance, readability, and long-term maintainability.
- Managed SDK upgrades and dependency updates across multiple applications to ensure compatibility, security, and compliance with platform requirements.

## PROJECTS

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### Lavender.md | Markdown, [Your Stack if applicable]

- Built a full-featured notes application centered around Markdown.
- Implemented real-time Markdown parsing and rendering.
- Designed to manage, organize, and persist structured notes efficiently.

### nomnom | CLI Tool

- Developed a modular file-watcher CLI tool.
- Architected a core engine responsible for monitoring filesystem changes and dispatching events.
- Designed a plugin-based ecosystem to execute customizable side effects in response to file events.
- Emphasized extensibility, separation of concerns, and clean architecture principles.

### Social Media Platform | React, Next.js

- Designed and developed a production-ready, fully mobile-responsive social media platform.
- Implemented secure authentication, real-time chat functionality, and push notifications.
- Utilized React Query for efficient data fetching, caching, and state synchronization.
- Deployed on Vercel – <https://social.mohammadkanaan.tech>

### Meals App | Flutter, Laravel

- Built a cross-platform recipe mobile application.

- Developed authentication system and backend APIs using Laravel.
- Implemented global state management using Riverpod.

#### **Plantly | React Native, Expo**

- Developed a cross-platform mobile application for plant watering tracking and reminders.
- Built using React Native with Expo for streamlined development and deployment.

#### **CERTIFICATES**

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CS50's Introduction to Programming with Python – Harvard University

- Developed programs using Python (functions, loops, conditionals)
- Worked with data structures (lists, dictionaries, sets)
- Implemented file handling, regular expressions, and basic testing practices

#### **SKILLS & PERSONAL**

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**Languages:** Arabic (Native), English (Fluent), French (Beginner)

**Programming:** JavaScript (ES6+), TypeScript

**Frameworks & Libraries:** React, React Native, Next.js, Vue.js, Nuxt, Expo

**State Management & Data Fetching:** MobX, React Query, Riverpod

**Real-Time & Performance Systems:** WebSockets, Large-Scale Data Rendering (thousands of rows/columns), High-Performance Editable Tables, Real-Time Synchronization

**Mobile Development & Architecture:** iOS & Android Deployment, Native Modules Integration, Mobile Performance Optimization, Gesture Handling, Animations, SDK & Dependency Management, Crash Debugging & Stability Improvements

**Frontend Engineering:** Responsive Design, Computation-Heavy UI Optimization, Large Dataset Handling, UX Flow Optimization, Client-Side Architecture

**Backend & APIs:** RESTful API Integration, Authentication Flows, Firebase Authentication

**DevOps & Tools:** Git (branching, pull requests, code reviews), Production Deployments, Release Hotfix Management, ClickUp, Cross-Timezone Collaboration

**Leadership & Collaboration:** Feature Leadership, Technical Demos, Client Requirement Translation (Stories & Scope), Architectural Context Ownership, Cross-Functional Team Collaboration

**Professional Traits:** Analytical problem-solving, proactive collaboration, knowledge sharing, agile mindset

#### **EDUCATION**

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**Al Maaref University**, *Bachelor of Science in Computer Science*

*Sep 2022 – July 2025*

*Relevant Coursework: Data Structures, Algorithms, Software Engineering, Database Management, Web Development, Mobile Development*