Ahmad Khalil

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Software Engineer with 4.5+ years of front-end experience building scalable, user-focused web, mobile, and desktop applications using React, React Native and Next.js. While my foundation lies in frontend architecture and UI/UX, continuously expanding my expertise in backend development with NestJS and Node.js, aiming to deliver end-to-end, maintainable, and well-structured solutions that bridge design, performance, and functionality.

Skills

- **Front-End Technologies:** JavaScript, TypeScript, React, React Native, Next.js, ElectronJS, SwiftUI, TanStack Query, ThreeJS, HTML5, CSS3, Styled Components, Tailwind CSS, MaterialUI, shadcn/UI, Sass, JSS, Redux, MobX, Axios, openapi-fetch, Storybook, Accessibility standards, vite, Push notifications, Localization, Responsive Design, SPA · SSR · SSG Rendering Models, React Native Native Modules (Java), understanding of GraphQL APIs, Swift, UIKit, Combine, Core Animation, Core Graphics
- **Back-End Technologies**: Node.js, NestJS, RESTful APIs, SQL, MariaDB, TypeORM, Kysely, Redis, Authentication
- **Testing**: E2E (Playwright, Detox), unit testing (Jest), integration testing (React Testing Library), MSW
- **Soft Skills**: Ownership & Accountability, Problem Solving, Attention to Detail, Continuous Learning, Technical Documentation
- **Workflow**: Git, Gitflow, GitHub Actions, CI/CD, Agile methodologies, Trunk-Based Development, SDLC, Figma

Work History

Cosafe Technology - Sweden (Remote)
Front End Software Engineer IIB | February 2025 - November 2025
Front End Software Engineer IIA | March 2024 - February 2025

- Owned and drove an initiative to consolidate and unify regional apps (iOS, Android, Desktop, and Web) based on an internal RFC, reducing total apps from 20 → 12 (**-40%**) and cutting QA/test surface by **~35%**.
- Worked on **authentication** across the stack, from enhancing the OIDC SSO flow to shaping **JWT token** payload structure and implementing **NestJS Guards** to differentiate between public and protected routes
- Delivered 4+ **full-stack features** across the **React** web app, **React Native** mobile app, and **NestJS** backend, including API enhancements and bug fixes.
- Optimized Google Maps API usage, reducing redundant requests by **~50%**, cutting monthly costs, and improving responsiveness by minimizing concurrent API calls.
- Owned and coordinated 3 critical production releases, ensuring cross-team alignment
- **Enhanced CI/CD and desktop deployment pipeline** (GitHub Actions), improving build reliability and deployment visibility.
- **Wrote and maintained end-to-end** >10 **E2E tests** to ensure feature reliability across platforms and prevent regressions.

Wisofa - Norway (Remote)
Founding Fullstack developer (Part-time) | March 2022 - January 2023

- Built **authentication flows** using NextAuth.js, supporting both passwordless and credential-based signup/signin flows with client-side, server-side, and SSR authentication strategies
- Implemented a **role-based authorization** layer by embedding user permissions into **JWT token** payloads and forwarding them into the session context for route-level access control
- Developed an **email verification flow** end-to-end, including a verify by link API endpoint, verification page, and transactional email delivery using Nodemailer and SendGrid, with verification status reflected in the JWT token
- Built **token lifecycle management**, including JWT signing, verification, and expiration-checking endpoints to handle session validity
- Developed **RESTful CRUD API endpoints** for therapist entities, handling data validation and persistence through MongoDB
- Set up the project's testing infrastructure with **React Testing Library**
- Implemented **SSR Next.js** frontend, client-side navigation, and API route contexts to ensure consistent session access regardless of rendering mode

CC Studio - Latvia (Remote)
Front End Developer | June 2021 - February 2024

- Developed and maintained 4+ web and mobile applications using React, Next.js, and React Native.
- Contributed to a React Native mental wellness app enabling asynchronous voice messaging between users and listeners, implementing audio recording/playback, push notifications for new messages, and secure message storage.
- Developed key features for a React Native veterinary telemedicine app, including in-app video consultations, location-based vet discovery, and an appointment booking flow connecting pet owners with licensed veterinarians.
- Designed and implemented a scalable project architecture that reduced onboarding time for new developers by **~20%** and simplified maintenance.
- Developed and integrated custom native modules in React Native, building reusable UI components and optimizing rendering performance to enhance cross-platform functionality and user experience.
- Implemented error handling (React Error Boundaries) with custom crash reporting via backend API integration to monitor app stability, track errors, and accelerate production debugging.
- Implemented unit and functional testing with Jest and React Testing Library, raising test coverage to **>70%**.
- Built and integrated third-party libraries and external APIs including video/audio SDKs and maps

Education

Bachelor of Engineering | Civil Department
Higher Technological Institute 10th of Ramadan (HTI)

Language skills

Arabic (native) **|** English (professional) **|** German (intermediate)