

Hassan SalemeH

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EDUCATION

Université Saint-Joseph de Beyrouth – ESIB | ABET Accredited
Engineering Degree in Computer and Communications Engineering | September 2021 – Present
Lycée des Pères Antonins, Lebanon | Baccalaureate in General Sciences | June 2021

TECHNICAL SKILLS

- **Programming Languages:** TypeScript, JavaScript, Python, Java, C++, SQL,
- **Mobile Development:** React Native, Expo, Expo Router, AsyncStorage, Expo Notifications
- **Front-End Development:** React.js, HTML/CSS
- **Back-End & APIs:** REST APIs, Axios, RTK Query, Webhooks, Firebase, Firestore
- **State Management & Storage:** Redux Toolkit, Local Storage, Offline-First Workflows
- **Authentication & Security:** Firebase Authentication, Secure Token Storage, API Authorization
- **AI & Automation:** AI Chatbots, n8n Automation Workflows, Real-Time Translation Workflows
- **Tools & Libraries:** Git, Linux Command Line, ESLint, Prettier, PostHog, i18next, NativeWind

WORK EXPERIENCE

Hanz - Germany | Mobile Developer | Sep 2025 – Jul 2026

- Developed cross-platform mobile features using React Native, Expo, Expo Router, and TypeScript.
- Built voice-first reporting flows including audio recording, transcription, AI-assisted task extraction, review, and submission.
- Implemented offline-first workflows with local storage and safe synchronization when connectivity is restored.
- Integrated REST APIs using Axios, Redux Toolkit, RTK Query, and AsyncStorage.
- Contributed to secure authentication, media uploads, reusable UI components, and consistent iOS/Android behavior.

Hanz - Germany | Mobile Developer Intern | May 2025 – Sep 2025

- Assisted in developing mobile screens, reusable components, and app flows using React Native, Expo, and TypeScript.
- Supported API integration, debugging, testing, and improvements across iOS and Android.

FREELANCE PROJECTS

- **Hub4Health - Healthcare Marketing Website** | <https://hub4health.ae/>
 - Built a responsive healthcare marketing website using React, TypeScript, and Vite.
 - Developed key sections including About, Approach, Screening, Research, and Contact.
 - Integrated an AI chat experience through an n8n webhook and implemented a contact form using EmailJS.
- **Nextudio – Architecture Studio Website + AI Assistant** | <https://www.nextudio.co/>
 - Built a responsive healthcare marketing website using React, TypeScript, and Vite.
 - Developed key sections including About, Approach, Screening, Research, and Contact.
 - Integrated an AI chat experience through an n8n webhook and implemented a contact form using EmailJS.
 - Automated appointment requests by generating structured client summaries with project details and meeting information.

PERSONAL PROJECTS

- **SafeDose - Smart Medical Dispensing Machine with Mobile Application**
 - Developed a health-tech solution combining a React Native Expo mobile app with an ESP32-based smart pill dispensing machine.
 - Built the first medication scheduling prototype through MedTrack, then expanded it into SafeDose with hardware integration and real-time device control.
 - Implemented Firebase Authentication, Firestore, medication scheduling, daily reminders, Taken/Missed tracking, and dispensing history.
 - Enabled WiFi-based communication with the ESP32, hotspot device setup, 7-section pillbox synchronization, live machine status monitoring, emergency “Take Now” dispensing, and refill controls.
 - Integrated an AI health chatbot using n8n through a webhook-based workflow.
 - Won Berytech Full Incubation and was recognized as the Most Innovative Project at USJ for the year.
- **n8n Real-Time Translation Automation Flow**
 - Built a reusable n8n automation workflow for translating transcribed voice input and written messages across multiple applications.
 - Designed the flow to receive dynamic text, source content, and a selected target language, then return translated output automatically.
 - Integrated the workflow as a modular backend automation through API and webhook-based communication.

EXTRACURRICULAR ACTIVITIES

IEEE Member | Private Tutor in Engineering and Science

CERTIFICATES

- CCNAv7: Introduction to Networks
- CCNAv7: Switching, Routing and Wireless Essentials

OTHER SKILLS

Languages: English, French, Arabic (Native).

Soft skills: Communication, Teamwork, Problem Solving, Attention to Detail, Adaptability, Self-Motivation, and Continuous Learning.