Seif Ateek

Software Developer

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SUMMARY

Full-stack and iOS developer building web, iOS and macOS applications with React, Next.js, TypeScript and Swift. Sole developer of PetPals, a six-app pet care platform with a custom Bluetooth smart collar. Seeking a full-time role, remote, in Cairo or with relocation.

PROJECTS

PetPals, graduation project | Swift, SwiftUI, React, Electron, Supabase, C++ | 2025 - 2026

- Wrote all of the code, about 39,000 lines, for an iPhone app, a public website, and clinic, shelter, shop and admin portals on one database.
- Built a working Bluetooth smart collar with an nRF52840 board and MAX30102 sensor, including its C++ firmware.
- Added NFC pet profiles, adoption matching, an AI assistant, and English, Arabic and French support.

LLH Learning Hub | Next.js, TypeScript, Supabase, Gemini API | 2026

- Built a role-based learning platform with an AI tutor and AI-proposed grades that teachers review.

MacVisualiser | Swift, Metal, Core Audio | 2026

- Built a real-time macOS music visualizer with 11 GPU-rendered scenes and 5 public releases. github.com/SeifAteek/MacVisualiser

AULA Studio | Swift, SwiftUI, IOKit, Python | 2026

- Documented a keyboard's USB protocol and built a native Mac app to replace its Windows-only software. github.com/SeifAteek/aula-studio

EXPERIENCE

Freelance Web Developer | Self-employed | 2026

- Delivered a bilingual Arabic and English React website with five service pages for Prime Nano, a UAE company.
- Built a React and Express portfolio with a private photo dashboard for Menna Hassan.

Flutter Intern | WE Telecommunications | 2025 | 120 hours

Instructor | Innovatera, Cairo | Dec 2024 - Sep 2025

- Taught Python, AI and data science part-time.

Python Intern | Benha University | 2024 | 120 hours

Private Math Tutor | Self-employed, Cairo | Oct 2023 - Present

Teacher | Egyptian Baccalaureate program | 2026

Customer Service Representative | Concentrix, Cairo | 2023

EDUCATION

Bachelor of Computer Science | Benha University, Faculty of Computers and Artificial Intelligence | 2022 - 2026

- Graduation project: PetPals, A+ (98/100).

SKILLS

Programming: Swift, TypeScript, JavaScript, Python, C++, C#, Dart, Java, Kotlin, PHP, SQL, HTML, CSS
Web: React, Next.js, Node.js, Express, REST APIs, Tailwind CSS, Electron
Mobile and desktop: iOS, macOS, SwiftUI, Flutter, Metal, Core Audio, Core Bluetooth, Core NFC
Data and tools: Supabase, PostgreSQL, Firebase, Git, GitHub, Xcode, Linux, AI coding tools
Languages: Arabic (native), English (C1), French (B2, certified)

LEADERSHIP

Captain | Egyptian Sea Scouts | 2013 - 2025 | Led a team of scouts