

Roaa Khaldoon

Front-End Developer (TypeScript, React) with 5+ years of experience delivering enterprise-grade, scalable web applications using React and TypeScript. Proven track record building production-ready governmental platforms and AI-powered systems. Strong expertise in reusable component architecture, RESTful API integration, performance optimization, and CI/CD workflows. Experienced in Agile environments, stakeholder collaboration, and delivering secure, maintainable interfaces aligned with modern web standards. Open to relocation and visa sponsorship for UK-based React/TypeScript roles. **Supported by the Germany-based Imagine Foundation.**

WORK EXPERIENCE

Thakaa (Tech Startup)

Iraq, Baghdad

Front-End Engineer

Jan/2026 – PRESENT

- Designed and architected the complete frontend UI/UX for an **AI-powered** conversational learning platform, independently building a fully functional interactive demo within **1 month**.
- Led **ML model** interfacing from the frontend layer, integrating multiple AI services through structured REST APIs and ensuring reliable communication with FastAPI backend systems.
- Engineered a scalable conversational UI architecture capable of handling real-time streaming responses and dynamic interaction flows.
- Implemented structured global state management using Zustand to orchestrate complex AI-driven session states and high-frequency updates with predictable rendering behavior.
- Designed reusable, extensible component patterns to support a futuristic, adaptive learning experience focused on clarity, accessibility, and performance.
- Utilized Python to configure and monitor local server environments, bridging frontend workflows with **AI/ML systems** during development and integration phases.
- Optimized rendering performance and state isolation to maintain responsiveness under AI-generated streaming outputs.

Tech Stack: React, TypeScript, Zustand, FastAPI, Python, REST APIs, Git

Wataneyya (Tech)

Iraq, Baghdad

Front-End Developer

May/2025 – Jan/2026

- Built and delivered two enterprise-grade, scalable web platforms serving nationwide users, following structured SDLC and secure coding practices (**E-Merchant and E-Management**) in a **2-person team**, completing the initial production-ready versions within **2 months** under tight delivery timelines.
- Led front-end development **end-to-end**, implementing UI, API integrations, responsive layouts, testing, and deployment.
- Designed and standardized **reusable component patterns and UI flows**, improving development consistency and maintainability across multiple user roles and workflows.
- Collaborated closely with product and administrative stakeholders to deliver features supporting **nationwide users**, including business registration, licensing workflows, appointment scheduling, status tracking, and digital certificate issuance for the **Ministry of Trade**.
- Optimized** rendering performance and application stability through structured state management and **component-level testing**.

Tech Skills: React, TypeScript, JavaScript, REST APIs, CSS, React Testing Library, Git

CONTACT DETAILS

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GitHub: github.com/RoaaK95

Portfolio: roaakhaldoon.net
Baghdad, Iraq (open to relocate)

TECHNOLOGIES

Frontend:

React, TypeScript, JavaScript (ES6+), HTML5, CSS3, SCSS

Architecture:

Component driven development, State management, Clean architecture

Testing:

React Testing Library

CI/CD:

GitHub Actions, Vercel

API Integration:

RESTful APIs, Microservices integration

Tools:

Git, VS Code

Databases:

SQL, Relational Databases

Additional:

Python, FastAPI integration

Methodologies:

Agile/Scrum, SDLC

Practices:

Responsive design, cross-browser compatibility, performance optimization

LANGUAGES

English (fluent)

Arabic (Native)

EDUCATION

University of Al-Iraqi,
BSc in Software Engineering
Iraq, Baghdad, 2014 -2018

**Ministry of Industry and Minerals Formations (Government
Tech)**

Software Engineer

Iraq, Baghdad

Nov/2020- May/2025

- Contributed to the **maintenance of internal software systems** by supporting database operations, basic query updates, and routine system checks.
- Assisted in **troubleshooting application, database, and device-related issues** (workstations, peripherals, connectivity), helping restore normal operations for internal users.
- Supported internal teams by **diagnosing and resolving recurring system and device errors**, escalating complex issues to senior engineers when required.
- Participated in **testing, deployment, and rollout activities**, helping validate updates and ensure system stability after releases.
- Contributed to day-to-day operational continuity by **responding to support requests**, documenting issues, and assisting in maintaining system availability across departments.

Tech Skills: SQL, Relational Databases, System Performance Optimization, Debugging, Deployment and Rollout Assistance

FEATURED PROJECTS

Clean Air Day Finder (Sep/2025 – Oct/2025)

Live: <https://clean-air-day-finder.vercel.app/>

GitHub: github.com/RoaaK95/Clean-Air-Day-Finder

- Built a data-driven web application that **helps users plan safer outdoor activities** by identifying optimal days and time windows based on real-time air quality and weather data.
- Transformed complex environmental data into **clear, actionable insights**, improving usability and decision making for health conscious users.
- Implemented **efficient and resilient API handling** using **TanStack Query and Zod** for caching, validation, and type-safe data flows.
- Set up automated CI/CD pipelines ensuring fast, reliable deployments and consistent production builds.

Tech Stack: React, TypeScript, Vercel, GitHub Actions, CSS