

Fedi Kouzana

Front-End Focused Full-Stack Engineer | React · TypeScript · Node.js

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PROFILE

Full-Stack Software Engineer with nearly 5 years of experience, specializing in frontend development and real-time, user-focused web applications. Skilled in building scalable, interactive products with strong ownership and production-ready delivery.

SKILLS

Frontend: React · Next.js · TypeScript · JavaScript · Redux · Context API · Jotai · Material UI · Tailwind CSS · WebRTC · Socket.IO

Backend: Node.js · Express · GraphQL · REST APIs · MongoDB · MySQL · PostgreSQL

Other / Tools: Responsive Design · Git & GitHub · Agile/Scrum · Strapi · WordPress

Testing: Jest · React Testing Library

Build / CI: Vite · Webpack · CI/CD pipelines

WORK EXPERIENCE

Frontend Engineer, oVice, Inc.

Mar 2024 – Present | Remote, Japan

Contributing to the development of oVice, a virtual collaboration platform by building scalable frontend solutions and improving real-time interaction experiences.

- **Designed and implemented** a production-grade WebRTC debug mode to capture and export peer connection and media events as structured JSON, enabling reliable diagnosis of audio/video issues in production.
- **Led the redesign** of the core virtual meeting room experience, improving usability and real-time collaboration for end users.
- **Developed and integrated** new interactive user tools, extending platform functionality while maintaining performance and consistency.
- **Improved frontend performance and UX** through optimistic UI patterns and targeted render optimizations, resulting in faster and more responsive interactions.
- **Worked closely with** designers, backend engineers, and QA teams to deliver stable, production-ready features under tight deadlines.

Tech stack: React, TypeScript, Context API, Jotai, Material UI, Tamagui, Elixir Channels, REST APIs

Full-Stack Software Engineer, Comguru Agency

Feb 2021 – Feb 2024 | Sousse, Tunisia

Started as an intern and progressed to a full-time role, contributing to the delivery of client-facing and internal web platforms while gaining end-to-end experience across frontend, backend, and client collaboration.

- **Designed and developed** an internal agency workflow platform, including project management, scheduling, and client feedback features, streamlining operations and improving team productivity.
- **Led the development** of a Cinema Management System from architecture through production, with a focus on scalability, maintainability, and operational reliability.
- **Delivered client-facing web applications** by translating business requirements into technical solutions and providing ongoing technical guidance throughout project lifecycles.
- **Built and customized** WordPress-based websites, focusing on performance optimization, SEO improvements, and user experience enhancements.

Tech stack: React, Redux, Node.js, GraphQL, MongoDB, PHP, MySQL, WordPress, REST APIs

SELECTED PROJECTS

Standalone Cinema Management System

Jan 2022 – Mar 2023

Designed and developed a full-featured cinema management platform supporting multi-cinema operations, real-time scheduling, and ticket sales.

- **Implemented role-based access control** with dedicated dashboards for administrators, staff, and customers.
- **Built a real-time airing and scheduling system** to manage screenings, availability, and live updates.
- **Developed an end-to-end ticket booking flow**, including a streamlined checkout experience and secure payment integration.
- **Added reporting and performance metrics**, with the ability to export raw operational data for analysis.

Tech stack: React, Node.js, JavaScript, Material UI, Socket.IO, MongoDB

Case Study: fedi.kouzana.com/projects/hakka_tickets

Roster3, TechEd & Mini MBA Website

Delivered a modern, performance-focused website for an education company offering online MBA programs and professional content.

- **Built a highly interactive frontend experience** with refined micro-interactions and smooth UI animations.
- **Implemented Incremental Static Regeneration (ISR)** for content pages to ensure fast load times and SEO-friendly performance.
- **Integrated third-party services** including Stripe for payments, Rewardful for affiliate tracking, and Mailchimp for email campaigns.
- **Designed a scalable content architecture** backed by a headless CMS to support long-term growth.

Tech stack: Next.js, React, Tailwind CSS, GraphQL, MongoDB, Strapi

Live Site: roster3.com

LANGUAGES

Arabic — Native/Bilingual

English — Fluent

French — Fluent

EDUCATION

Engineering Diploma,

Higher Institute of Applied Sciences and Technologies

2 years of pre-engineering + 3 years of Software engineering

Aug 2016 – Sep 2021 | Sousse, Tunisia