

Mihai Cîra

Full-Stack Engineer & Frontend Lead · React · TypeScript · Next.js

Timișoara, Romania (CET) · Remote / Hybrid / On-site · Employment or B2B

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Summary

Full-stack engineer with 6+ years of professional experience, currently **leading frontend architecture** on a production travel-tech platform that aggregates multiple external booking providers. I design systems end to end (architecture, API contracts, UI and delivery) and work closely with backend teams and business stakeholders. As founder of **WebbingHUB**, I also take products from idea to production, including the business side: pricing, payments, legal and fiscal set-up. M.Sc. in Big Data. English C2, Spanish B2.

Skills

Frontend: React, TypeScript, Next.js (App Router), Redux, Zustand, TanStack Query, Tailwind CSS, shaden/ui, Material UI, PWA

Backend & data: Node.js, Python / FastAPI, REST, WebSocket, JWT auth, PostgreSQL (Neon), Firebase

Integrations: multi-provider booking APIs (OTA XML, REST), Stripe and local payment providers, e-invoicing (e-Factura)

Architecture & delivery: system design, API contracts, data-flow diagrams, Docker, Git, Vercel, Fly.io, Jira, Agile (SAFe 5 certified)

ML: sentence embeddings, semantic search, scikit-learn, XGBoost

AI-assisted development: Claude Code (daily), GitHub Copilot

Experience

Lead Frontend Developer | travel-tech platform, B2B contract

Oct 2023 – present

- Lead the frontend of a real-time internal booking platform for a European tour operator group: agents search availability, price stays and manage the full reservation lifecycle across **4 types of external providers** (booking platform, hotel distributor, hotel chain, local tour operator).
- Defined the frontend architecture, component and state-management patterns (React, TypeScript, Redux, React Query) used across the application.
- Co-designed API contracts with the C# backend team that aggregates and normalises provider data, and aligned integrations with the client's core reservation system.
- Delivered end to end several major features: multi-step booking flows, real-time availability checks, dynamic pricing tables, and booking modifications synchronised across multiple provider APIs.
- Introduced Docker-based workflows for consistent environments; mentor teammates through code reviews.

Founder | WebbingHUB (webbinghub.io), software studio

2023 – present

- Run a software studio delivering web platforms and travel integrations for clients, from scoping and pricing to architecture, delivery and maintenance.
- Build and operate own products: Second Cycle (e-commerce) and HaiHui Storage (marketplace), see Projects.

Web Developer | 3SS

Aug 2022 – Jun 2023

- Built and maintained web application features in an agile team, working with Git, Jira and Confluence.

Full-Stack Developer (traineeship) | Crafting Software

Feb 2022 – May 2022

- Remote member of a 7-person team; React, TypeScript, Elixir and the Phoenix framework (functional programming).

iOS Developer (traineeship) | [E-spres-oh]

Sep 2020 – Dec 2020

- Built iOS apps in Swift with the Firebase SDK in a production team.

Projects

Second Cycle – e-commerce platform for second-hand bicycles (founder, end-to-end)

- Complex consignment e-commerce built in Next.js covering the full cycle: **intake** (sellers submit bikes, inspection and repair tracking, pricing, consignment contracts) and **outtake** (catalogue with filters and search, product pages, cart, checkout, orders, pickup and delivery, invoicing, returns and warranty).
- Admin back office for inventory, order management, seller payouts and content; transactional emails; SEO.
- Payments architecture combining Stripe with a local payment provider (SoftPro) to handle the seller–platform–buyer consignment cash flow; designed the compliant model (consignment accounting, margin-scheme VAT, second-hand warranty).

Stack: Next.js, React, TypeScript, PostgreSQL, Stripe, SoftPro, Tailwind CSS

Get Me Hired – ML-powered job recommendation platform

- Upload a CV and get ranked job matches: a FastAPI service parses the PDF, generates semantic embeddings with a transformer model and ranks jobs by similarity, trained on 200,000+ real job descriptions.
- Next.js frontend with a clean, accessible results experience.

Stack: Next.js, TypeScript, Tailwind, shadcn/ui, Python, FastAPI, Sentence Transformers, XGBoost, scikit-learn

HaiHui Storage – peer-to-peer city luggage-storage marketplace (founder)

- Travellers book storage slots at local businesses; hosts secure bags through a QR + PIN staff flow with mandatory drop-off photos.
- Own the product end to end: business model, legal and fiscal set-up (e-Factura), architecture and implementation; phased launch in Timișoara, Brașov and Bucharest.

Stack: Next.js 15, TypeScript, FastAPI, PostgreSQL (Neon), Stripe, WebSocket, PWA, Vercel, Fly.io

Ciusion – business website and admin platform

- Took a local tyre-service business from no online presence to steady traffic and strong Google rankings; owner-managed prices and content via Google sign-in.

Stack: Next.js, TypeScript, Firebase

Education

M.Sc. Big Data: Data Science, Analytics and Technologies | West University of Timișoara *2022 – 2025*

B.Sc. Computer Science | West University of Timișoara *2019 – 2022*

Papers: Comparative Analysis of Clustering Algorithms on Healthcare Data; Clustering Algorithms for Textual Data; Chaotic Boltzmann Machines (with A. Măcrescu); Law of Large Numbers.

Languages & extras

Romanian (native) · English (C2) · Spanish (B2)

SAFe 5 Practitioner (certified) · Oxford Hack 2022 participant · Python mentor, CSH School · Zero Robotics semifinalist