



Lukas Kouril

**Fullstack Developer,
Software Engineer**

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Prague, Czech Republic

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Fullstack developer with a strong frontend focus specializing in React and TypeScript. Experienced in building and modernizing production web applications from micro-frontend banking platforms to AI-powered research tools with end-to-end ownership across frontend, backend, and CI/CD.

EXPERIENCE

Web Integrator: Senior Frontend Developer | Prague, Czech Republic **4/2026 - 8/2026**

- Joined as the first engineer with an explicit AI-tooling brief and wrote the conventions the team works to.
- Managed product delivery in TypeScript, React, and Next.js, including code quality and cross-browser behavior.
- Wrote the technical specifications and the implementation guidance clients build against.
- Model structured content in Payload CMS and fix the technical and UX details across client sites.

EmbedIT: Senior Fullstack Developer | Prague, Czech Republic **7/2025 - 3/2026**

- Led modernization of an online banking platform, migrating legacy systems to a micro-frontend architecture
- Designed and implemented a Backend-for-Frontend (BFF) layer, including controllers, mappers, and service orchestration
- Owned API contract design and integration stability across multiple downstream services
- Ensured production-grade quality through unit, integration, and E2E testing, with strict WCAG accessibility compliance

Ersilia: Fullstack Developer | Barcelona, Spain **5/2024 - 6/2025**

- Designed and implemented a full-stack web app built with Next.js and TypeScript
- Created the database schema and implemented backend integration for structured model metadata management
- Developed key features of an AI-powered workflow leveraging the Vercel AI SDK for LLM-based PDF analysis
- Automated metadata validation and repository synchronization through GitHub APIs and Actions

beKind: Frontend Developer | Barcelona, Spain **8/2023 - 1/2024**

- Built a B2B marketplace connecting charities and corporations using Next.js and TypeScript
- Designed user interfaces in collaboration with UX stakeholders, translating wireframes into reusable React components
- Integrated RESTful APIs and contributed to database schema design using Node.js and PostgreSQL

Take a Break: Frontend Developer | Barcelona, Spain **2/2023 - 7/2023**

- Collaborated on the development of a full-stack web app for scheduling meditation sessions using Next.js and TypeScript
- Built a modern, responsive UI with React, TailwindCSS, and ShadCN, ensuring smooth user experience
- Managed databases with PostgreSQL and Prisma, optimizing performance and data integrity
- Integrated third-party APIs for real-time session updates and authentication

BEFORE DEVELOPMENT

Controlant: Technical Customer Analyst | Reykjavík, Iceland **9/2020 - 1/2023**

- Investigated critical cold-chain incidents on pharmaceutical shipments using live IoT telemetry.

GVC: User Protection Expert | Gibraltar, United Kingdom **12/2018 - 8/2020**

- Analysed fraud, money-laundering patterns, and user-protection risks in a regulated environment.

Kiwi.com: Customer Relations Advisor | Brno, Czech Republic **10/2015 - 11/2018**

- Resolved complex booking failures across airline and CRM systems, for customers and B2B partners.

EDUCATION

Arol.dev (Barcelona, Spain) **2/2024 - 7/2024**

Software Engineering Academy

Reykjavik Academy of Web Development (Reykjavík, Iceland) **2/2022 - 6/2022**

Website Development Bootcamp

University of Gibraltar (Gibraltar, UK) **1/2020 - 7/2021**

Anti-Money Laundering & Responsible Gaming

SKILLS

Languages: Czech (Native) · English (C2) · Spanish (B2) | **Frontend:** React, Next.js, TypeScript, JavaScript, TailwindCSS, TanStack, ShadCN, MUI, Vite, WCAG | **Backend:** Node.js, Express, Hono, Prisma, Drizzle, PostgreSQL, Redis, Zod | **AI:** Claude Code, Anthropic SDK, Codex | **Testing:** Vitest, Playwright | **DevOps & Cloud:** Git, GitHub Actions, Docker, GCP, Vercel | **Tools:** Supabase, Payload CMS, Stripe, Ably, Figma, Postman, Sentry