



Lukas Kouril

**Fullstack Developer,
Software Engineer**

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PROFILE

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

EmbedIT: Senior Fullstack Developer | Prague, Czech Republic **10/2025 - present**

- 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
- Improved developer experience by optimizing CI/CD pipelines and enforcing code review standards

Ersilia: Fullstack Developer | Barcelona, Spain **5/2025 - 9/2025**

- 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
- Collaborated with researchers and engineers to align technical implementation with open-science goals

beKind: Frontend Developer | Barcelona, Spain **10/2024 - 5/2025**

- 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
- Developed responsive front-end layouts with TailwindCSS, establishing a consistent component library across the application
- Integrated RESTful APIs and contributed to database schema design using Node.js and PostgreSQL

Take a Break: Frontend Developer | Barcelona, Spain **4/2024 - 10/2024**

- Collaborated on the development of a full-stack web app for scheduling meditation sessions using Next.js and TypeScript
- Set up CI/CD pipelines and version control workflows to streamline team collaboration
- 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

Controlant: Technical Customer Analyst | Reykjavík, Iceland **11/2021 - 4/2024**

- Monitored real-time shipment data, identifying anomalies and resolving deviations through data-driven root-cause analysis
- Delivered regulatory-compliant solutions for pharmaceutical cold-chain logistics, ensuring adherence to GDP and GxP

GVC: Customer Protection Expert | Gibraltar, United Kingdom **2/2020 - 6/2021**

- Leveraged data analytics tools to detect suspicious transaction patterns within AML and KYC compliance frameworks
- Applied domain expertise in gaming platform architecture and regulatory systems to mitigate financial risk

Kiwi.com: Customer Relations Advisor | Brno, Czech Republic **1/2016 - 10/2019**

- Resolved complex customer escalations and provided structured feedback to product and engineering stakeholders
- Supported KAYAK platform operations as a contractor, troubleshooting booking system issues with data-backed analysis

EDUCATION

Arol.dev (Barcelona, Spain) **6/2024 - 12/2024**

Software Engineering Academy

Reykjavík Academy of Web Development (Reykjavík, Iceland) **6/2022 - 12/2022**

Website Development Bootcamp

University of Gibraltar (Gibraltar, UK) **9/2020 - 6/2021**

Anti-Money Laundering & Responsible Gaming

SKILLS

Languages: Czech (Native) · English (Native) · Spanish (B2) | **Frontend:** React, Next.js, TypeScript, JavaScript, TailwindCSS, Material UI, ShadCN | **Backend:** Node.js, Express, Prisma, PostgreSQL, MySQL | **Testing:** Jest, Vitest, Cypress, Playwright | **DevOps & Cloud:** Git, Docker, GitHub Actions, AWS, GCP | **Tools:** JIRA, Figma, Postman, Vercel