

Marko Jakic

Software Engineer

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Experience

NearUp - Freelance Full-Stack Typescript Developer, March 2024 – current

- In 2024 as a freelancer I opened another agency and my latest project is an E-Commerce platform using headless framework Medusa.js 2.0 built on top of Next.js/React and PostgreSQL.
- Frontend: Next.js(React) application for sellers of the products.
 - Redux-Toolkit for complex state management, and RTK Query for data fetching + caching
 - TailwindCSS + Shadcn as style system.
- Clerk for authentication/authorization.
- Next-intl for internationalisation and localisation.

[Antler.co](#) residency, September – December 2023

- I've got into Antler residency program – an 11 week workshop for co-founders working and matching with other co-founders. My result of this program is working on AI driven app which processes all sorts of documents, called document intelligence. Companies of any size can query their own documentation in a natural language. It's an open-source project and is a work in progress.

[Vertrical.com](#) – Full-stack Developer and Co-founder, (Vertrical GmbH), 2020 – 2023

- I co-founded Vertrical with two other co-founders after Covid happened. Vertrical builds scalable and compliant digital health software for its clients. As a hands-on senior full-stack javascript/typescript developer being a co-founder as well, we've built two e-commerce apps for two big US based clients: React based project with Gatsby and Nest.js on the backend with Postgres (optum.com). Second project Rx delivery built with full-stack Next.js and Nest.js with GraphQL & Postgres (costplusdrugs.com).

joyn.de – Joyn GmbH, Munich, Germany: Senior Full-stack JavaScript Developer, Node/React, May 2019 – May 2020

- As a senior full-stack developer as part of a team of 5, we were responsible for a license management service which is part of microservice architecture, based on Node and Kafka (on Docker and AWS).
Tests with Mocha, Sinon and Chai. Functional programming first, with Ramda. AWS and Gitlab-CI for CI/CD. On the frontend we built an app for editors to be able to manage licenses for movies, TV shows, etc. We use React, Koa, Webpack, Redux, Mocha, Jest.

publicissapient.com Publicis.Sapient, Munich, Germany: Senior Software Engineer and Architect (freelance), October 2018 – March 2019

- As a senior full-stack typescript developer I was making webapp and e-commerce for Smart.de based on React, Next.js, GraphQL, with styled-components and utilizing react-spring lib for fancy animations. We used API based communication to external services via GraphQL (to Strapi).

Gefasoft GmbH, Munich, Germany; Senior Software Engineer (freelance); July 2018 – September 2018

- As a freelance senior full-stack developer my project was building the frontend using React.js; on the backend writing API in Java 8 with PostgreSQL on backend, create new endpoints and refactor existing ones. The app was about management of factories, mostly automotive in Germany.

futuraice.com – Futurice GmbH, Munich, Germany; Senior-Lead Software Engineer; May 2017 – June 2018

- Based in Helsinki, as part of one of the biggest European IT consulting companies, here engineers consult and lead various client projects. I worked on:
- Delivery service mobile app for Edeka's Bringmeister.de (in Berlin):
 - As most experienced in the team with React Native, I was leading initial phase of code architecture and best practices.
 - Tech stack: React Native, Typescript, GraphQL, Redux, React-navigation, Detox E2E testing, RxJS, Recompose; focus on functional programming for better code style.
- REST API for Adidas shopping cart (Herzogenaurach):
 - We were team of 4 developers (plus 1 QA developer and 1 Scrum master)
 - I was part of development team, building an API using Spring Boot HATEOAS library – a Hypermedia-driven RESTful web service.
 - Tech stack: Spring boot/Java 8 (backend project) (JPA & Hibernate).
 - November 2017 – April 2018.
- BMW energy consumption frontend app (Munich):

- We were team of 3, and as my first assignment in the company, my role was a senior frontend developer, writing Vue app, app state and connecting it with Highcharts modules.
- Tech stack: Vue, Vuex, Typescript, Highcharts, Mocha, Testcafe

bridgewaterlabs.com – Novi Sad, Serbia; Lead JavaScript Developer; December 2016 – April 2017

- As a lead Javascript developer I worked on Node.js project which is cloud API for smart devices; it used Parse.com BaaS, but after it shut down, I migrated API to local Parse-based Express.js app, and from there continued to develop the API. Second project was online betting with React/Redux and Material UI on the client and API based on Django on the backend side.

westwing.de – Westwing GmbH, Munich, Germany; PHP and JavaScript developer; October 2014 – December 2016

- As a full-stack PHP/Javascript developer I was responsible for company's magazine, SEO pages using WordPress (PHP/JavaScript) both backend and frontend, tech blog, company's senior editors and managers, making custom tools and custom settings and functionalities via WP plugins.


Reference


While working at Joyn.de as a senior Full-stack React/Node.js developer:

Recommendations

Show all pending
+

Received
Given



Nils Widal  · 1st

Co-Founder & CEO | Digital Health | DTC Healthcare | Self Care | Entrepreneur & Investor

July 4, 2020, Nils worked with Marko on the same team

Working with Marko at Joyn was a pure pleasure. Not only that he is capable of learning new things at a very fast pace he is also taken any effort necessary to deliver outstanding software.

Moreover Marko is an advocate in functional programming paradigms and can be so passionate about it and other topics that I directly want to follow his advice.

If you want somebody who is an allrounder, however in the highest technical accuracy in everything he is doing, open communicator and solution driven person:

Contract him. You will be thanking me.

Skills

Node.js/TypeScript	*****
React + Redux Toolkit	*****
API / REST / GraphQL	*****
Functional programming	*****
CSS / TailwindCSS / Shadcn	*****
Generative AI (OpenAI API, Vector databases, RAG, prompt engineering)	*****
Testing (unit, integration)	*****
RXjs	*****

General info & Education

I live and work in Berlin, Germany. I'm originally from Novi Sad, Serbia. I poses Master Diploma in Computer Science, course Software Engineering which I got in 2010. I studied at Fakultet Tehnickih Nauka (Faculty of Technical Sciences) in Novi Sad, Serbia (<http://www.ftn.uns.ac.rs/>).

Open-source

I like to contribute to open-source, my Nodb project is an API layer over Postgres where you can store data through API directly and make natural language queries (RAG) upon it:

- <https://github.com/farspeak/farspeak-js>
- <https://github.com/nearup-io/nodb-js>
- <https://producthunt.com/products/nodb>
- <https://dev.dragforge.com/build> (<https://github.com/mk0y/dragforge>)

About

I am dedicated and self-motivating person with passion to figure out new things and paying attention to details, coding and learning with excitement new technologies. I like to travel and meet people from different cultures. My hobbies include hiking, basketball, reading history books, learning languages, food, not in that order.