Tobias Belch

Tech & Frontend Lead

linkedin (https://www.linkedin.com/in/tobias-belch)

website (https://tobias-belch.github.io/resume)

German native   **English** C

I love my profession!

I love that I'm pushed to keep on working my skills to produce better products! I love to figure out how to improve the work environment of my teams to make their job easier and their work more efficient! I love to share my experience and benefitting from the experience of others!

With that out of the way:

Hi!

I'm Tobias, a passionate Software (Web) Developer and Tech Lead with over 15 years of experience. While I've worked across the entire stack, my strength and main focus have been on the frontend — particularly with TypeScript and React. That said, I've always been eager to engage with the full breadth of web development, from backend logic to deployment, and enjoy building well-rounded solutions end to end.

Beyond coding, what I enjoy most, is taking ownership of the critical technical challenges and ensuring that the company vision is reflected in architecture and code, while enabling my team to work as efficiently as they can.

My Principles

❶ Communicate respectfully and transperantly
❷ Have a requirements focused architectual and development process
❸ Achieve good and maintainable code, based on the architecture, automated testing and the concept of polite code (https://youtu.be/7EmboKQH8lM?t=3160)
❹ Clear the path of obstacles for the team ⎯ the team is king
❺ Share knowledge within your team and beyond

Skills

TypeScript & JavaScript React.js Next.js

Node.js REST-API Jest React Testing Library

CSS (modules) Mentoring Software Architecture Cypress
Playwright Tailwind CSS Docker Git NestJS GraphQL

Work Senior Software Engineer DocMorris

2023/08/01 ⎯ Present

Health in one click, by digitalising the patient - pharmacy relationship in Germany.

Highlights
- Building a next generation online pharmacy with an amazing team
- Researching and implementing technical solutions
- Mentoring and onboarding colleagues
- Migrating a web application to be white-label ready and onboarding multiple brands

Projects
- White-Label online Pharmacy (TypeScript, React, Next.js, Tailwind CSS, REST)

Skills • TypeScript • React.js • Next.js • Node.js • Jest • React Testing Library
• REST-API • GraphQL • Mentoring • Software Architecture • CSS Modules
• Tailwind CSS • Git

Work Head of Engineering Made2Flow

2022/12/01 ⎯ 2023/07/31

Helping the fashion industry to improve their environmental impact, by making better choices across the whole supply chain.

Highlights
- Diving deep into the domain of fashion and sustainability
- Building the next generation data model together with the CPO
- Mentoring and onboarding colleagues
- Communicating with business partners and driving the technical integration

Skills • Data Modeling • Requirements Engineering • Mentoring
• Software Architecture • Team Leadership • TypeScript • React.js • Next.js
• NestJS • GraphQL

Work Technical Lead eHealth-Tec GmbH

2020/04/15 ⎯ 2022/11/30

Digitalising the german health system, by improving the experience for patients, doctors and pharmacists.

Highlights
- Bulding User Interfaces with React, Next.js and TypeScript
- Developing Backend for Frontends as Anti Corruption Layers with Node.js and NestJS
- Mentoring and onboarding colleagues

- Achieving transparent and efficient communication between the Team and Stakeholders
- Driving a Requirements based Software Architecture and Development process

Projects
- White-Label online Pharmacy (TypeScript, React, Next.js, NestJS, REST)
- Veordnungssoftware (PVS integrated prescription creation) (Software Architecture)
- Browser based e-prescription creation for doctors (TypeScript, React, Material-UI)]

Skills • JavaScript • TypeScript • React.js • Node.js • Next.js • NestJS • Jest • Cypress • REST-API • GraphQL • Mentoring • Software Architecture • Material-UI • SASS • Cascading Style Sheets (CSS) • Docker • Git

Work Head of Engineering Medtower UG

2018/09/30 2020/04/15

Medtower UG develops soft- and hardware solutions to make tasks in hospitals more transparent and productive.

Highlights
- Driving the architecture and development of Node.js microservices and SPA
- Building realtime communication with AMQP 1.0 and Apache Qpid Message Broker
- Providing the geo and map specific information in an offline environment with OpenMapTiles Server
- Mentoring and coaching of coworkers
- Management of the external work of a Apache NIFI consulting company

Projects
- Medtow Radar - Using IoT to observe and control hospital devices like beds and wheelchairs
- Individual ETL Solutions - Using Apache Flink, Nifi and Node.js to migrate, transform and aggregate medical data

Skills • JavaScript • TypeScript • React.js • Node.js • NestJS • Jest • REST-API • Mentoring • Software Architecture • Material-UI • Bulma (CSS Framework) • SASS/SCSS • CSS • Java • Docker • Git • AMQP Messaging • Apache Nifi • Apache Flink

Work Software Developer remind me GmbH

2018/02/28 2018/08/31

Development of a B2C web application in an agile (Kanban) team of five developers. Refactoring and adapting the application to become a white label product for better integration in B2B. The application reminds their customers of ending contracts and offers alternatives.

Highlights
- Creating the technical concept for the white label product
- Feature toggles with lazy loading
- Modular components with React and Flow for flexible use in different contexts
- Mentoring of junior and mid-level developers

Skills • JavaScript • Flow.js • React.js • Jest • REST-API • Mentoring
• Software Architecture • Semantic UI • Bulma (CSS Framework) • SASS/SCSS
• CSS • Docker • Git • Redux

Work   Software Developer   Cedavis Technology GmbH

2009/08/31 – 2018/01/31

Data Warehouse and reporting solutions for health care institutions

Highlights
- Frontend development with TypeScript, React, Redux and SCSS
- Interactive charts with D3
- Module for PDF reports from React components with Java Nashorn
- Development of a web application with Angular.js 1
- Simulation of the future data development

Projects
- PKMS Management - Optimise working processes in health care institutions
- Live Reporting - Live reports about patients, bed and staff availability in health care institutions

Skills • JavaScript • TypeScript • React.js • REST-API • CSS • LESS • Java
• Git • Redux

Proj   Resume

2022/07/10 – 2022/07/17

Delivering my resume build with web technologies, giving me an opportunity to learn and showcase skills, thought and work processes.

Highlights
- Getting to know astro (https://astro.build/)
- Using a Figma a little bit more in depth
- Practicing architecture documentation

Skills • TypeScript • Astro • JSX • CSS • GitHub Actions • Software Architecture

 Project (https://github.com/Tobias-Belch/resume)

Cert   iSAQB Certified Professional for Software Architecture - Foundation

2022/05/31 – oose

 Credential (https://skillshub.isqi.org/d0f421f3-0479-4137-b790-0b5c9ed4c499?
key=3ad359776fe125ea63c5cfc70742537e81511906255a203875a2e8b1110a130f#gs.5dkuam)

Cert **Domain Driven Design**

2021/12/31 entwickler.de

Edu **Bachelor of Science - BS** **Computer Science**

2007/12/31 2011/12/31 @ Berlin University of Applied Sciences Berlin (BHT)

Score 1,9

In my thesis I examined program code generation with Evolutonary Algorithms. As a practical example I wrote a software to generate mathematical functions, based on input and output values.