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PROJECTS

OTTO | April 2023 – September 2024

UI Components Library | Frontend Development

I supported the team with the conception and development of an accessible user interface component library for the OTTO web shop. The particular challenge was meeting the numerous existing requirements:

- Compatibility with different tech stacks
- Accessibility
- High level of configurability
- Good documentation
- Low migration effort
- Performance
- SEO

Main tasks:

- Selection and analysis of a suitable new tech stack
- Implementation and documentation of the components

Technologies: Webcomponents, Svelte, Storybook, TypeScript, Vite, Vitest, Playwright, GitHub Workflows, GitHub Actions, Design Tokens, Sass

OTTO | September 2022 – March 2023

Consumer API Portal | Frontend/Backend Development

The OTTO Consumer API Portal is used to describe internal and external developer interfaces. The portal is implemented using a Vue SPA, which consumes data from two different repositories and generates content and structure from them. The content is maintained by API developers in YAML format (API repo) and by technical writers (guidelines repo) in Markdown format. A complex build and release infrastructure ensures automatic parsing and release in the event of changes and updates.

Tasks:

- Further development, maintenance and optimization
- Automated changelog generation
- Redocly CLI integration to process OpenAPI specifications

Technologies: Vue, TypeScript, Vite, Markdown Parser, Redocly CLI, Custom CLI Tool, GitHub Workflows/Actions, Vitest, Playwright, NPM

[Axel Springer AG | May 2021 – May 2022](#)

[User tracking, integration testing | Frontend/Backend Development, Testing](#)

The department NMT of Axel Springer SE is responsible for the user tracking on the various media brand websites (welt.de, bild.de, bz.de etc.). My responsibility was to consolidate and optimize the highly fragmented tracking implementations. Another big task of my assignment was the implementation of automated End-To-End tests for the user tracking on the live system. Furthermore I did a concept for an internal web application. It contains research work, a written concept with user stories and scenarios, data structures and wireframes.

- Refactoring of the existing user tracking implementations
- Creating Javascript extensions for the Tealium Tag Manager
- Automaten E2E Tests with Node, Playwright, Testcafe and GitHub Workflows
- Research, concepts and UX for an internal web application
- Introduce common development practices and tools to the team

[Idealo | August 2020 - February 2021](#)

[UI library, SSR | Frontend/Backend Development](#)

Re-Implementation of the Idealo frontend with React and SSR.

- Research, prototype and implement high performance rendering solutions
- Server Side Rendering (SSR) with Node.js, Express und React
- Re-Implementaion of frontend components with React/Typescript

[Bechtle AG | June – July 2020](#)

[UI Library | Frontenend Development](#)

Development of an UI library for one of the biggest German computer hardware stores (www.bechtle.com).

Re-Implementation of existing UI Components with HTML/CSS, Javascript (Vanilla) and Storybook

[Comillo.de | 2018 – 2021](#)

[Online galery photoframe app | Frontend/Backend Development](#)

A private project which is a combination of an online photo gallery and a digital photo frame app with collaborative features.

- Concept, UX, Interface Design
- Frontend-Development with Vue
- Implementation as an progressive web app (PWA) with offline support
- Backend-Development with Node.js and Express
- Database integration (MongoDB, Redis, IndexDB)
- AWS Cloud Storage

[Idealo.de](#)

[Bechtle.com](#)

[Comillo.de](#)

Vilua Healthcare GmbH | October 2015 – December 2019

Online Health Coach | Frontend Development

Frontend implementation of an online health coach for the Techniker Krankenkasse (health insurance).

- Development of an application architecture
- Frontend development with AngularJS and Angular2
- Implementation of an complex frontend build system with Gulp

Neofonie GmbH | June 2016 – November 2017

Frontend Development

Working on various projects for the Neofonie web agency:

- Online platform for German pharmacies (Wort und Bild Verlag - Apotheken Umschau).
- Bechtle - Online Hardware Shop
- Implementation of an online shop for one of the biggest computer hardware stores in Germany (Bechtle).
- Swisscom - Digital Concert Hall Website for a Swiss music festival.
- Artissimo - Web shop for posters and prints with online configuration

Tasks/Skills.:

- Design implementation with HTML/CSS/Sass
- Template integration with the content management system Magnolia
- Frontend development with Javascript, Vue.js, Knockout.js
- Implementation of frontend build-systems with GulpJS

WeltN24 GmbH | February – September 2015

Mobile News Application | Frontend Development

Development of a 'web-core' for the new mobile news app.

The new Welt news app was developed as a hybrid application for iOS and Android. My task was to implement a web application which could be integrated in both native apps for Android and iOS.

This included the creation of a custom Javascript API for connecting the web application with the native operating systems.

My tasks involved:

- Development of an architecture of the web application
- API definition and implementation
- Frontend development with Angular
- Unit testing with Karma and Jasmine
- Design-Implementation with very high requirements concerning responsiveness

Acrolinx GmbH | May – July 2014

Web Application | Frontend Development

Acrolinx provides various native software products in the field of Content Marketing. A new web application was build to also provide them as an online service.

My tasks involved:

- Design implementation with HTML/CSS
- Template integration in an AmberJS application

Justrelate (Infopark AG) | February – December 2014

Frontend Development

Frontend-Development for the relaunch of the Hannover Rück (insurance company) website .

Infopark is a full service web agency and also provides and develops a premium Content Management Systems. I helped the internal team on the relaunch of the website which included:

- Design-Implementation with HTML/CSS
- CMS template integration
- Implementation of frontend widgets with AngularJS

DILAX Intelcom GmbH | February – June 2014

Web Application | Frontend Development

DILAX Intelcom GmbH offers soft- and hardware products for collecting and analyze passenger data in context of public transportation.

My task was to visualize the collected data on an interactive map.

- Fronted development with Angular
- Google Maps API integration

Immobilien Scout GmbH | February – December 2013

Web Application | Frontend Development

Re-Implementation of the real estate portal.

- Frontend development with Angular
- Pair programming
- Test driven development
- Unit testing

Klaus Methfessel (Journalist) | January 2013

Portfolio Website | Design and technical implementation

Design and frontend implementation of the personal website of Klaus Methfessel (journalist).

- Webdesign
- Design implementation with HTML/CSS
- CMS integration

DILAX Intelcom GmbH | November 2012 – August 2013

Web Application | Frontend Development

Redesign of the Davis Web Mobile Applikation.

- Interface design
- Design implementation with HTML/CSS
- JSF template integration

FutureWatt / Thermondo | November 2012 – February 2013

Web Application | Frontend Development

Re-design of the Davis mobile web application.

- Interface Design
- Design-Implementation with HTML/CSS
- JSF-Template integration

Bergfürst | May 2012 – August 2012

UX Design

UX design for a crowd investing platform.

- UX concepts
- Definition of use cases
- Creation of flow charts and wireframes
- Implementation of click dummies