

PROJECT LIST

Personal Information:

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**Code is good code
when the team can work with it.**

Industries:

- Retail
- Vocational Education
- Mobile Telecommunications
- Pharma/Medicine

Qualifications:

- Postgraduate Certificate in Computing
Open University, Milton Keynes, England
- Teaching Qualification in Print and Media Technology
Office for Teacher Education, Frankfurt am Main, Germany
- Bachelor Professional in Design
Gutenberg School, Frankfurt am Main, Germany

Core Competencies:

- Frontend Software Development with Angular, TypeScript
- Agile Coaching / Scrum Master
- UI/UX

Languages:

- German (Native)
- English (C1)
- Spanish (A2)
- French (Basic)

Qualification Profile:

Software Development

Clean Code, Software Lifecycle, CI/CD

PHP, JavaScript

ActionScript (ECMAScript 4)

CGI/Python

Ruby on Rails

SASS/SCSS

Swift

TypeScript

Angular

Express JS

Nest.js

GraphQL

Docker

Browserstack

Node.js / Node Package Manager

Kibana

Git

Bamboo/Jira/Stash

UML

Java

K8/Rancher

GitHUB/GitLab

OpenAI-API

ionic Framework

Markup Languages

HTML

CSS

Miscellaneous

Photoshop, Illustrator, Acrobat

InDesign/ QuarkXPress/PageMaker

Cinema 4D, 3D Max, blender, SolidWorks

Sketch, Adobe XD, Abstract

Leadership Experience and Teaching

Action-oriented teaching in adult education

(vocational and university, dual education, dual studies)

Class **leadership, coaching**

Self organised learning

Conducting development and evaluation discussions

Since 02.2023
REWE digital
Team Authorization
and Authentication

Central team for the authorization and authentication of all IT systems of the REWE Group, one of the largest retail companies and travel providers in Germany.

Tasks: Implementation of the frontend „Account Manager“ for mapping various authentication methods, including Keycloak. Use of the internationalization library i18n. Establishment of a mono-repository (NX) in GitLab for providing an Angular authentication library in Artifactory. Creation and adaptation of gitlab-ci pipelines. Establishment of Cypress component tests. Creation of Jest unit tests. Documentation of acceptance tests. Formulation of software requirements within the framework of an agile development process. Maintenance of the Keycloak login templates, company-wide support of the authorization and authentication processes.

Evaluation of various approaches for the use of GenAI to handle support tasks.

Technologies: **Angular, TypeScript, i18n, NX, rxjs, NGRX, NGXS, Jest, Cypress Component-Tests, Git, GitLab, OIDC, jest, Keycloak, Jira, Confluence, K8, Rancher, Artifactory, CI/CD**

2023
xMkr – genAI Exam generator

Personal project. PoC of a backend. Creation and correction of exams for school teaching. Users enter an educational institution, grade level and subject, select the competencies to be tested and the tool generates an exam including an expectation horizon and the possibility of pre-evaluating the exam performance.

Technologies: **supabase, supabase TypeScript functions, PostgreSQL migrations, Postman, OpenAI-API, Google search API, GPT4all**

2022
toefl speaking exercise

Personal project to create a mobile app (iOS and Android) using the ionic framework.

The app was published in the Google Playstore (no longer available) and in the [Apple App Store](#) (available).

Technologies: **ionic, Angular, TypeScript, HTML, SCSS, XCode, Android Studio, Adobe Illustrator, Adobe Photoshop**

2022
quizdown-js

Further development of an open-source quiz framework as part of computer science teaching.
[Introduction of Unit-Tests.](#)

Technologies: Svelte, JavaScript, TypeScript, HTML, jest

12/2017 – 07/2021
mobilcom debitel (now freenet)

Further development of the **8 million customer self-service** frontend for the [md](#) and [klarmobil](#) mobile phone contract retailers. Replacement of a PHP middleware with a node.js/nest.js based solution on TypeScript basis. Support for the live operation of the customer portal.

Technologies: Angular 2+, JavaScript, TypeScript, SASS, HTML, CSS, Google-Analytics, Nest.js, rx.js, ng.rx, node.js, PHP, Atlassian bamboo & bitbucket, GitHub, docker, OIDC

Team: Scrum-Master, Supervision of the trainees of the team and at department level, Representation of the team management

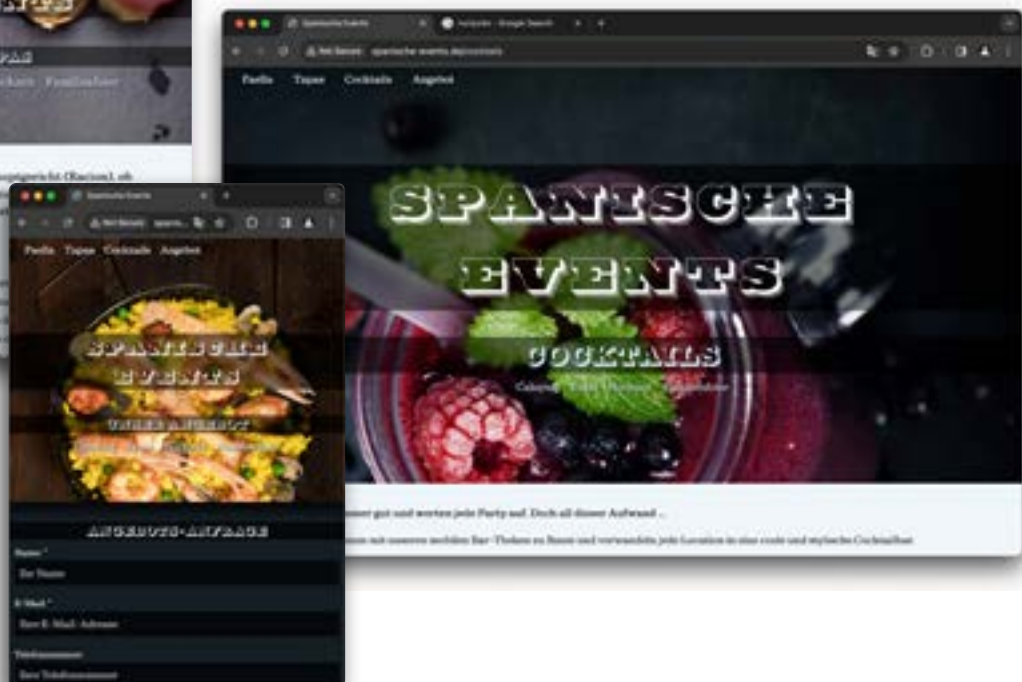
2018
Client: [spanische-events.de](#)

Creation of a web presence for a caterer. Complete workflow from design draft, via express.js backend and responsive frontend implementation, to cloud-hosted website. CSS implemented from scratch.



Technologies used: HTML5/CSS3, Foundation 6

- node.js/express.js Backend
- nunjucks templating engine
- Cloud-Hosting via heroku

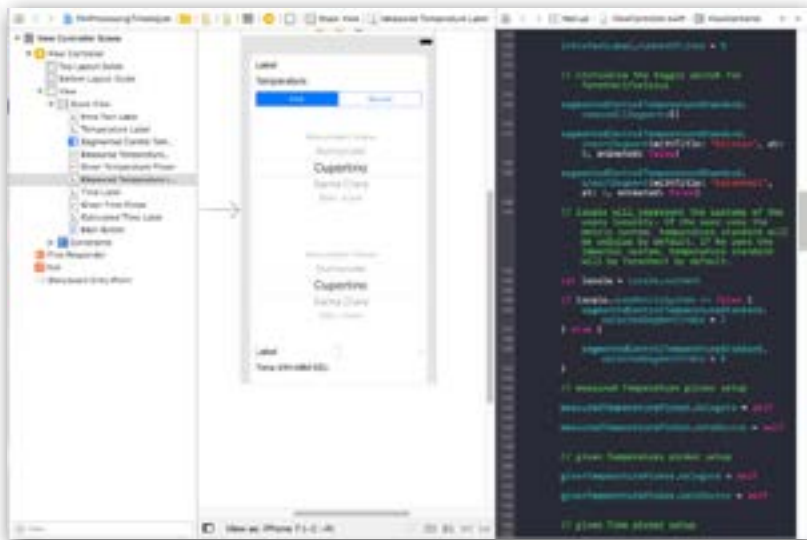


November 2017
Exercise



Concept, design, planning and fragmentary programming of an iOS app for adjusting the development times of analogue film material

Technologies: Adobe Illustrator CC, Adobe XD CC, XCode, Swift



August 2014 – January 2016
Client: Adolf-Reichwein-Schule Marburg

As part of the creation of a corporate design, a design concept for the web presence was created in addition to logo design and colour scheme.

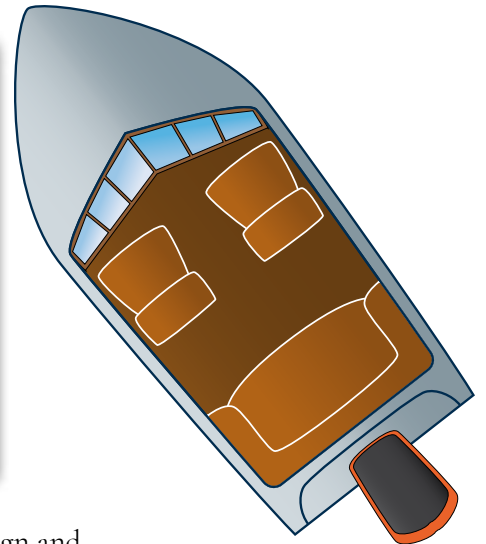
Technologies: Adobe Photoshop CC, Adobe Illustrator CC



December 2012
Client: Bootssport-Blog

Concept, planning, design and programming of a boat simulator, development of the control engine.

Technologies: **Adobe Flash Professional, ActionScript, Adobe Illustrator**



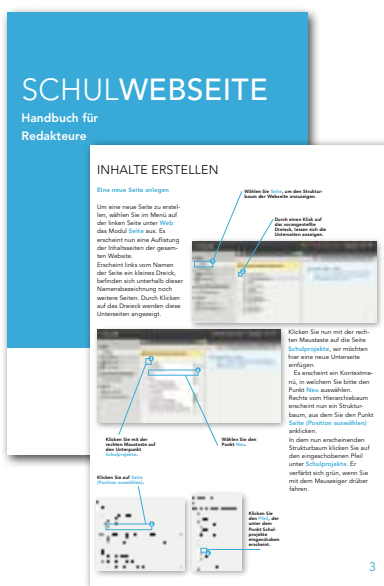
08/2010 – 06/2012
Client: Vocational Schools of the Wetteraukreis Butzbach

Concept, planning, creation, design and support of a vocational school website, creation of training material and conducting the training of the editors (teaching staff)



Technologies: **XHTML 1.1/CSS, Typo3, MySQL, JavaScript, TraceWatch, Adobe Photoshop, Adobe Illustrator, Adobe InDesign**

Ein Weg, der zu Dir passt!



UMFRAGE WEBSITE					
Ich bin					
<input type="radio"/> SchülerIn <input type="radio"/> Studierende/Studierender <input type="radio"/> Lehrkraft <input type="radio"/> MitarbeiterIn					
Von einer Schulwebsite wünsche ich mir:					
	auf jeden Fall	wichtig	egal	unwichtig	auf keinen Fall
Darstellung des Pädagogischen Konzepts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Darstellung der Ausbildungsgänge	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Darstellung der erreichbaren Schulabschlüsse	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Darstellung der Berufsfelder	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Vorstellung der Kooperationen	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Steigende Studierenden- und SchülerInnen-Zahlen	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Einen automatisierten Anmeldeprozess	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Bereitstellen von Unterrichtsmaterial	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Durchführung von Leistungüberprüfungen	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

08/2010 – 06/2012

**Client: Teacher Seminar
for vocational schools in Gießen**

Concept, planning, creation and support of a learning platform for trainee teachers, creation of training material and conducting the training of the users (teaching staff and learners)

Technologies: **moodle, PHP,
Setting up the web server (Apache)**