Martin Zachoszcz Sr. Software Engineer

Passionate Software Engineer with years of experience in creating complex applications, libraries and build tools for developing various software with web technologies.



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Expertise

- Web Technologies
- TypeScript
- JavaScript
- Frontend
- Backend

Certificates

AWS Associate Developer

Fducation

Masters in Human Factors

Technische Universität Berlin 2014 - 2017

B.Sc. in Psychology

Friedrich Schiller Universität Jena 2011 - 2014

Associate Engineer in Data Technology

Siemens Professional Education 2008 - 2010

Languages

German

English

Polish

Interests

- **₩** Sports
- **≛** Chess
- Music

Employee Experience Sr. Software Engineer

iii 2016 - 2021

CARIAD SE (former Carmeg GmbH)

- Spearheaded the development and maintenance of a comprehensive SDK for Volkswagen Group's vehicle infotainment systems, overseeing the integration and management of over 50 diverse packages, including libraries, build tools, desktop applications for testing & debugging, and best-practice web apps. Managed large-scale projects within a monorepo framework, implementing CI/CD practices to streamline bi-weekly release processes for these components, thereby enhancing software reliability and maintaining rigorous documentation standards.
- Crafted and architected a dynamic, theme-driven UI library with white-labeled, functional components. Designed to automatically adapt to various brand themes like Golf, ID3, Skoda, or Seat based on the vehicle model, ensuring brand consistency and enhancing user experience across different vehicle models. Emphasized scalable, high-quality front-end components with robust unit and E2E testing.
- Merged ReactJS, NodeJS, and Electron to build advanced desktop applications, simulating car environments and interfacing with vehicle microservices for robust web app testing.
- Implemented a NodeJS-based communication library using WebSocket and REST, and architected microservice-friendly APIs with TypeScript and RxJS, streamlining data handling and app interaction in vehicle services.

Used Technologies:



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Freelancing Experience

Revamping Spiced Academy's Online Platform

1 04/2023 - 07/2023

spiced-academy.com

- Led a complete overhaul of the spiced-academy.com website, implementing a new, modern design with enhanced functionality and user experience.
- Integrated a dynamic CMS for content customization and streamlined content management, and incorporated a separate blog and dynamic events page synchronized with EventBrite.
- Optimized website performance and SEO, ensuring fast load times, improved search engine rankings, and an overall increase in user engagement and satisfaction.

Used Technologies:



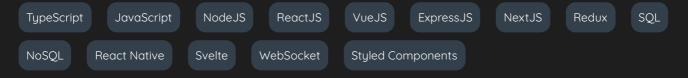
Mentor and Coach for Fullstack bootcamps

iii 10/2022 - 03/2023

Spiced Academy

- Crafted and delivered comprehensive, hands-on course material for a dynamic 3-month fullstack bootcamp, focusing on real-world application development.
- Guided and mentored over 10 students in developing intricate final projects, providing expert advice on project planning, structuring, and execution using a wide array of web technologies.

Used Technologies:



Digitalizing paper forms with micro frontends

iii 01/2022 - 09/2022

Bundesagentur für Migration und Flüchtlinge

- Digitalized paper forms into an Angular-based web application with reactive forms, improving stakeholder information exchange.
- Architected a monorepository framework for micro-frontends with Nx Workspaces, elevating project synergy and optimizing development processes.
- Enhanced micro-frontends with tests and new features; crafted a library of scalable, reusable components for streamlined development.

Used Technologies:



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Current Side Project

Custom GPTs
iii 01/2024

Video Summarizer GPT

- Utilizing openAls custom GPTs by giving specific instructions and accessing my AWS infrastructure to retrieve the required data
- Features:
- Summarizes any YouTube video with captions
- Includes additional metadata like video title, description, and likecount
- Retrieves additionally relevant comments that might be interesting

Used Technologies:



Personal Trainer GPT (in progress)

iii 01/2024

- Utilizing openAls custom GPTs by giving specific instructions and accessing my AWS infrastructure to retrieve the diet and training based data of a user
- Uses OAuth to identify a user
- User can provide initial fitness-related data of them and their desired goals
- GPT can give advice on diet and training based on the provided data
- User can update their data and GPT will give new advice based on the updated data
- Data is stored in AWS infrastructure

Used Technologies:

