# Arne Wiese

#### Senior AI Software Engineer · Meerbusch

M.Sc. Energy Science and Technology

10+ years of full-stack development - specialized in pragmatic solutions, rapid MVPs, and AI integration

arne@wiese.me · wiesson.dev

### **Projects & Full-time Positions**

04/2024 - 09/2025 AI Advisor & AI Agents / Frontnow GmbH

Senior AI Software Engineer

Primarily remote, occasionally in Berlin

Development of a scalable AI product enrichment system that automatically enhances 100,000+

e-commerce products per shop and automates time-consuming manual processes

TypeScript, Svelte, OpenAI, Google Gemini, PostgreSQL, Vector Search

03/2023 - 04/2024 Douglas Platform Tech Team / Parfümerie Douglas GmbH

Senior Software Engineer

Remote

Development and maintenance of central platform infrastructure to support feature teams with reusable components, performance monitoring tools, code quality standards, and mentoring

TypeScript, React, Redux, React Testing Library, Jest, Figma

09/2021 - 11/2022 Douglas Social Commerce / Parfümerie Douglas GmbH

Senior Software Engineer

Remote

Integration of social commerce features with Livebuy.io video player and optimization of Web

Vitals for improved user experience

TypeScript, React, Redux, React Testing Library, Jest, Figma, Livebuy.io API

03/2021 - 02/2022 Frontnw GmbH

Lead Software Engineer

Mainly remote, occasionally in Berlin

Leading full stack development of a B2B platform with successful migration from Firebase to

Supabase and implementation of scalable data collection systems

 $\label{lem:condition} Java Script, Tailwind, Sveltekit, Vite. js, Firebase, Firestore, Algolia, Postgre SQL$ 

05/2020 - 03/2021 caroutlet.ch / carIT AG

Software Architect

Mainly remote, occasionally in Zurich (CH), Tuggen (CH)

Architecture and re-development of a vehicle platform with complex multi-step checkout

system and custom React components for 360° vehicle views

Next.js, JavaScript, TypeScript, Vue.js, Node.js, Firebase, Google Cloud, Cloud Functions, Figma

12/2019 - 05/2020 carauktion.ch / carIT AG

Interim Product Owner

Mainly remote, occasionally in Zurich (CH), Tuggen (CH)

Interim Product Owner coordinating platform development with international teams and aligning business and development

JIRA, Confluence, Miro, Figma

07/2019 - 12/2019 Parfümerie Douglas GmbH

Senior Frontend Developer

Düsseldorf

Permanent position as Senior Frontend Developer focusing on feature development, technical mentoring, and team onboarding

TypeScript, React, Jest, Enzyme, Redux, CSS, Hybris, Java, Scrum, Figma

02/2017 - 07/2019 Energybox Ltd

Lead Frontend Engineer

Mainly in Cologne, occasionally in Hong Kong and USA (Washington DC)

Permanent position as Lead Frontend Engineer leading the frontend team and developing an IoT platform for worldwide energy data monitoring with an extensive React component library (150+ components)

TypeScript, MongoDB, React, AWS, Docker, Scrum

01/2018 - 11/2018 juts.ch / leadpoint.ch

Software Engineer

Remote, occasionally in Zurich (CH)

Frontend development of a food box subscription platform with Stripe and PayPal integration for subscription payments

 $Java Script, React, Flow, Redux, Python, Django, Postgre SQL, Docker, Google \ Cloud, Stripe \ API, Pay Pal \ API \ AP$ 

06/2015 - 02/2017 sipgate GmbH

Software Developer

Düsseldorf

Permanent position as Software Developer focusing on REST API development, CRM integration, and migration to React/Redux architecture for telephony applications

JavaScript, React, Redux, CSS, MySQL, Java, PHP, Scrum

09/2013 - 05/2015 TIGEV Ingenieurgesellschaft mbH

Energy Data Management Engineer

Münster

Permanent position as Energy Data Management Engineer developing a web-based energy data management system with data visualization and integration of measuring devices and sensors

PHP, JavaScript, Charts.js, Laravel, MySQL, CSS

## **Side Projects**

11/2020 - 11/2025	Beautytester Service / Parfümerie Douglas GmbH
	Conception and development of a product testing service for over 20,000 users with multi-step registration flow and BazaarVoice API integration
	TypeScript, React, Jest, Enzyme, Next.js, PostgreSQL, BazaarVoice API, Figma
08/2023 - 11/2025	tourvy.de - Travel Planning Software Development / Arne Wiese
	Development of an AI-powered travel planning software that generates complete travel offers in under 5 minutes through a 10-stage AI pipeline, reducing manual planning time by 90%
	SvelteKit 2, Svelte 5, TypeScript, Drizzle ORM, PostgreSQL, Supabase, Better Auth, OpenAI API, Inngest, Stripe, Mollie, Tailwind CSS, Zod, Playwright, Vitest, pnpm, Monorepo
05/2025 - 11/2025	maklerupdate.de / Arne Wiese
	Platform for automatic monitoring of 50+ real estate agents in the Greater Düsseldorf area (goal: 400), completely replacing manual website checks through AI-powered property extraction and daily crawling
	SvelteKit + Svelte 5, TypeScript, Supabase (PostgreSQL + PostGIS), Drizzle ORM, OpenAI GPT-5 + Claude, Inngest (Background Jobs), Deno (CLI), Firecrawl API, MCP Servers, Tailwind CSS v4, Vercel, React Email + Resend
01/2016 - 06/2025	84rooms.com / Sebastian Schöllgen
	Development and long-term maintenance of a marketing platform for boutique hotels with Stripe integration and AI-powered content optimization
	Next.js, TypeScript, CSS, Django, Python, PostgreSQL, Vercel, Cloud Functions, Google Cloud, Stripe API
08/2021 - 05/2024	Websites / Take Memories GmbH & Co. KG
	Migration of multiple WordPress websites to Astro and PayloadCMS with focus on zero-JavaScript approach for optimal performance and SEO
	Astro, PayloadCMS, MongoDB
01/2016 - 01/2022	Whisky Adventskalender / Arne Wiese & Wilhelm Hemme
	Fullstack development of a web app for rating whisky with friends
	CSS, Django, Python, Postgres, Google Cloud
01/2021 - 01/2022	maklerupdate.de / Arne Wiese
	Development of a real estate platform for Düsseldorf with focus on data collection and search functionality
	React, TypeScript, Next.js, Firebase, Firestore, Vercel, Apify, Google Big-Query, Algolia
06/2021 - 08/2021	bonsai-bayreuth.de / Bonsai Bayreuth
	Development of a landing page with ordering system and CMS integration for restaurant menu
	JavaScript, Sveltekit
06/2021	stefanwiese.com / Stefan Wiese
	Development of a landing page with SvelteKit

JavaScript, Sveltekit

04/2020 - 08/2020 maxis-zeitreisen.de / ProSiebenSat.1 Media SE (über Loyd Gmbh)

Modernization of Vue.js platform with technology stack update and creation of reusable UI

components

Vue.js, JavaScript, CSS, Figma

06/2020 - 07/2020 upperhand.co / Impact Products GmbH

Development of a multilingual landing page with Shopify integration for the e-commerce

platform go-live

TypeScript, Next.js, Shopify API, Figma

04/2020 - 06/2020 need-mask.com (non-profit) / ITA RWTH Aachen

Development of a non-profit platform for Covid-19 protective equipment to handle high-volume

orders with GraphQL, optimized for high request volumes

React, TypeScript, Next.js, GraphQL, Hasura, PostgreSQL, Vercel, DigitalOcean

04/2020 - 05/2020 Handelsblatt Social Media Monitor / Cyberium GmbH

Conception and development of a dashboard for comparing social media metrics of over 15

German banks and insurance companies

React, TypeScript, Charts, Firestore

04/2020 - 05/2020 Helpathon / Ways GmbH

Frontend development of a non-profit platform for visualizing and categorizing help ideas

React, TypeScript, CSS, Charts

02/2020 - 03/2020 douglas.ch / Parfümerie Douglas GmbH

Analysis and bug fixing of tracking implementation for the Swiss online shop

TypeScript, React, Analytics

01/2019 - 04/2019 MONDAY.ROCKS GmbH

Development of a web app for dynamic KPI visualization with interactive SVG graphics and CI/  $\,$ 

CD pipeline integration

Vue.js, JavaScript, Firebase, GitLab CI, SVG

#### **Education**

2003 – 2006 General Higher Education Entrance Qualification (Abitur)

Technical High School Oldenburg

Technical university entrance qualification with a focus on mathematics and computer science, which formed the foundation for subsequent engineering and software studies.

2007 – 2010 B. Eng. in Energy Engineering

Münster University of Applied Sciences

Engineering degree with a focus on energy systems and technology. The bachelor's thesis combined process analysis with sustainable energy use through integration of CHP plants.

2011 - 2014

M. Sc in Energy Science and Technology

University of Bayreuth, Germany

Interdisciplinary master's program focused on sustainable energy systems. The master's thesis on developing a web-based monitoring system laid the foundation for later specialization in software development.

2012 - 2013

Study Abroad Semester at the Royal Institute of Technology (KTH) Stockholm, Sweden

Study abroad semester with a focus on international research and industrial practice. Combination of collaboration in a research project on information system architecture and practical analysis at Scania AB.