Arne Wiese

Freelancer & Consultant · Meerbusch

M.Sc. Energy Science and Technology

10+ years of full-stack development – specialized in pragmatic solutions, rapid MVPs, and system architecture

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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 fullstack development of a B2B platform with successful migration from Firebase to Supabase and implementation of scalable data collection systems

JavaScript, Tailwind, Sveltekit, Vite.js, Firebase, Firestore, Algolia, PostgreSQL

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
	JavaScript, React, Flow, Redux, Python, Django, PostgreSQL, Docker, Google Cloud, Stripe API, PayPal API
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

01/2020 - 12/2025	**Kontor / Arne Wiese**
	Personal invoicing tool since 2020 – rebranded to Kontor in 2025 (no good domain available for 'Easy Invoice', and 'Kontor' sounds trustworthy). Complete invoice management with expense tracking and team collaboration for German freelancers and small businesses, 8€/month
	TanStack Router, TanStack Query, Supabase, TypeScript, shadcn/ui, Tailwind CSS, React, Resend, PDF Generation, Vercel
11/2020 - 12/2025	**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 - 12/2025	**tourvy.com / 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%
	TanStack Start, TanStack Query, Supabase, PostgreSQL, TypeScript, Drizzle ORM, Better Auth, OpenAI API, Inngest, Stripe, Mollie, Tailwind CSS, Zod, Playwright, Vitest, pnpm, Monorepo
06/2024 - 12/2025	**Kuvio Studio / Arne Wiese**
	AI-powered image editing for real estate professionals – Virtual Staging, Declutter, and atmosphere transformations
	TanStack Start, React, TypeScript, Drizzle ORM, PostgreSQL, Supabase, Google Gemini, Better-Auth, Tailwind CSS v4, Vercel
05/2025 - 12/2025	**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, Supabase (PostgreSQL + PostGIS), TanStack Query, TypeScript, 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.