

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

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| 04/2024 - 09/2025 | <p>AI Advisor & AI Agents / Frontnow GmbH Senior AI Software Engineer Primarily remote, occasionally in Berlin</p> <p>Development of a scalable AI product enrichment system that automatically enhances 100,000+ e-commerce products per shop and automates time-consuming manual processes</p> <p>TypeScript, Svelte, OpenAI, Google Gemini, PostgreSQL, Vector Search</p> |
| 03/2023 - 04/2024 | <p>Douglas Platform Tech Team / Parfümerie Douglas GmbH Senior Software Engineer Remote</p> <p>Development and maintenance of central platform infrastructure to support feature teams with reusable components, performance monitoring tools, code quality standards, and mentoring</p> <p>TypeScript, React, Redux, React Testing Library, Jest, Figma</p> |
| 09/2021 - 11/2022 | <p>Douglas Social Commerce / Parfümerie Douglas GmbH Senior Software Engineer Remote</p> <p>Integration of social commerce features with Livebuy.io video player and optimization of Web Vitals for improved user experience</p> <p>TypeScript, React, Redux, React Testing Library, Jest, Figma, Livebuy.io API</p> |
| 03/2021 - 02/2022 | <p>Frontnw GmbH Lead Software Engineer Mainly remote, occasionally in Berlin</p> <p>Leading fullstack development of a B2B platform with successful migration from Firebase to Supabase and implementation of scalable data collection systems</p> <p>JavaScript, Tailwind, Sveltekit, Vite.js, Firebase, Firestore, Algolia, PostgreSQL</p> |
| 05/2020 - 03/2021 | <p>caroutlet.ch / carIT AG Software Architect Mainly remote, occasionally in Zurich (CH), Tuggen (CH)</p> <p>Architecture and re-development of a vehicle platform with complex multi-step checkout system and custom React components for 360° vehicle views</p> <p>Next.js, JavaScript, TypeScript, Vue.js, Node.js, Firebase, Google Cloud, Cloud Functions, Figma</p> |

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| 12/2019 - 05/2020 | <p>carauktion.ch / carIT AG Interim Product Owner Mainly remote, occasionally in Zurich (CH), Tuggen (CH)</p> <p>Interim Product Owner coordinating platform development with international teams and aligning business and development</p> <p>JIRA, Confluence, Miro, Figma</p> |
| 07/2019 - 12/2019 | <p>Parfümerie Douglas GmbH Senior Frontend Developer Düsseldorf</p> <p>Permanent position as Senior Frontend Developer focusing on feature development, technical mentoring, and team onboarding</p> <p>TypeScript, React, Jest, Enzyme, Redux, CSS, Hybris, Java, Scrum, Figma</p> |
| 02/2017 - 07/2019 | <p>Energybox Ltd Lead Frontend Engineer Mainly in Cologne, occasionally in Hong Kong and USA (Washington DC)</p> <p>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)</p> <p>TypeScript, MongoDB, React, AWS, Docker, Scrum</p> |
| 01/2018 - 11/2018 | <p>juts.ch / leadpoint.ch Software Engineer Remote, occasionally in Zurich (CH)</p> <p>Frontend development of a food box subscription platform with Stripe and PayPal integration for subscription payments</p> <p>JavaScript, React, Flow, Redux, Python, Django, PostgreSQL, Docker, Google Cloud, Stripe API, PayPal API</p> |
| 06/2015 - 02/2017 | <p>sipgate GmbH Software Developer Düsseldorf</p> <p>Permanent position as Software Developer focusing on REST API development, CRM integration, and migration to React/Redux architecture for telephony applications</p> <p>JavaScript, React, Redux, CSS, MySQL, Java, PHP, Scrum</p> |
| 09/2013 - 05/2015 | <p>TIGEV Ingenieurgesellschaft mbH Energy Data Management Engineer Münster</p> <p>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</p> <p>PHP, JavaScript, Charts.js, Laravel, MySQL, CSS</p> |

Side Projects

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| 01/2020 - 02/2026 | <p>Kontor / Arne Wiese</p> <p>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</p> <p>TanStack Router, TanStack Query, Supabase, TypeScript, shadcn/ui, Tailwind CSS, React, Resend, PDF Generation, Vercel</p> |
| 11/2020 - 02/2026 | <p>Beautytester Service / Parfümerie Douglas GmbH</p> <p>Conception and development of a product testing service for over 20,000 users with multi-step registration flow and BazaarVoice API integration</p> <p>TypeScript, React, Jest, Enzyme, Next.js, PostgreSQL, BazaarVoice API, Figma</p> |
| 08/2023 - 02/2026 | <p>tourvy.com / Arne Wiese</p> <p>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%</p> <p>TanStack Start, TanStack Query, Supabase, PostgreSQL, TypeScript, Drizzle ORM, Better Auth, OpenAI API, Inngest, Stripe, Mollie, Tailwind CSS, Zod, Playwright, Vitest, pnpm, Monorepo</p> |
| 06/2024 - 02/2026 | <p>Kuvio Studio / Arne Wiese</p> <p>AI-powered image editing for real estate professionals – Virtual Staging, Declutter, and atmosphere transformations</p> <p>TanStack Start, React, TypeScript, Drizzle ORM, PostgreSQL, Supabase, Google Gemini, Better-Auth, Tailwind CSS v4, Vercel</p> |
| 05/2025 - 02/2026 | <p>maklerupdate.de / Arne Wiese</p> <p>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</p> <p>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</p> |
| 01/2016 - 06/2025 | <p>84rooms.com / Sebastian Schöllgen</p> <p>Development and long-term maintenance of a marketing platform for boutique hotels with Stripe integration and AI-powered content optimization</p> <p>Next.js, TypeScript, CSS, Django, Python, PostgreSQL, Vercel, Cloud Functions, Google Cloud, Stripe API</p> |
| 08/2021 - 05/2024 | <p>Websites / Take Memories GmbH & Co. KG</p> <p>Migration of multiple WordPress websites to Astro and PayloadCMS with focus on zero-JavaScript approach for optimal performance and SEO</p> <p>Astro, PayloadCMS, MongoDB</p> |
| 01/2016 - 01/2022 | <p>Whisky Adventskalender / Arne Wiese & Wilhelm Hemme</p> <p>Fullstack development of a web app for rating whisky with friends</p> <p>CSS, Django, Python, Postgres, Google Cloud</p> |

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| 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

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| 2003 – 2006 | <p>General Higher Education Entrance Qualification (Abitur) Technical High School Oldenburg</p> <p>Technical university entrance qualification with a focus on mathematics and computer science, which formed the foundation for subsequent engineering and software studies.</p> |
| 2007 – 2010 | <p>B. Eng. in Energy Engineering Münster University of Applied Sciences</p> <p>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.</p> |
| 2011 – 2014 | <p>M. Sc in Energy Science and Technology University of Bayreuth, Germany</p> <p>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.</p> |
| 2012 – 2013 | <p>Study Abroad Semester at the Royal Institute of Technology (KTH) Stockholm, Sweden</p> <p>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.</p> |