

Christoph Stach

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Professional Summary

Frontend-focused Full-Stack Engineer with 12+ years building modern web apps in TypeScript, specialising in Vue/Nuxt and React/Next.js. Currently at Mercedes-Benz, building a product end to end in Vue, Nuxt, and NestJS, and a Python platform for AI agents alongside it. Focused on type-safe, maintainable code, with an eye for detail in component design, accessibility, and performance.

Core technologies: TypeScript, Vue, Nuxt, React, Next.js, Tailwind, NestJS, Python, LLMs, Kubernetes

Technical Skills

Frontend: *React, Next.js, Vue, Nuxt, Remix, TypeScript, JavaScript, Tailwind, TanStack, React Server Components*

Backend & API: *Python, FastAPI, Node.js, NestJS, REST APIs, zod*

Data: *PostgreSQL, MongoDB, Prisma, Drizzle*

AI & LLM: *LLMs, AI Agents, Model Context Protocol (MCP), RAG, LangChain, Prompt Engineering*

Infrastructure & CI/CD: *Docker, Kubernetes, GitLab CI, pnpm Monorepos*

Practices: *AI-Assisted Development (Claude Code, GitHub Copilot), Unit Testing (Vitest, Jest, pytest), Dependency Injection, Code Review, Agile, Scrum*

Professional Experience

Senior Full Stack Engineer

MBition GmbH (Mercedes-Benz), Berlin | Oct 2023 - Present

Tech: TypeScript, Vue, Nuxt, NestJS, Python, FastAPI, LLMs, Model Context Protocol (MCP), Kubernetes, PostgreSQL, MongoDB

- Built the fully typed Vue datatable behind every list screen, with server-side pagination, sorting, and configurable filters that compile into a single database query, replacing tables that had been hand-built per screen.
- Built SDP, a no-code platform for configuring and deploying Mercedes-Benz speech applications, and ship features on it end-to-end in Vue and Nuxt with strict TypeScript, zod-validated REST contracts, and realtime updates over WebSockets.
- Built a Role-Based Access Control (RBAC) system with CASL.js, enforcing one permission definition across both the Nuxt UI and the NestJS API.

- Consolidated multiple products into a pnpm monorepo and hardened type safety across the TypeScript codebase, sharing types end to end and enforcing them in CI, with build times down ~50%.
- Build and operate the Python platform that hosts our LLM agents on Kubernetes, providing the shared FastAPI service, base classes, and CI/CD that agent teams build on.
- Drove AI-assisted development across the team: authored the AGENTS.md instruction set and reusable agent skills, and set up a team wiki in the Open Knowledge Format (OKF) to make organizational knowledge agent-consumable.
- Re-architected the platform from synchronous to fully asynchronous Python, cutting memory consumption by 75% (4 GB to 1 GB) and removing the need for multiple worker processes.

Frontend Engineer

DERICON GmbH, Berlin & Frankfurt | Dec 2016 - Oct 2023

Tech: Vue, Nuxt, React, Remix, TypeScript, Angular

- Launched a graph-based no-code workflow builder (React/Remix) that let non-technical users model and deploy workflows independently.
- Delivered new features on an Angular-based frontend, modernizing components and improving performance and accessibility.
- Built middleware and UI integrations to bridge legacy systems with modern REST APIs, simplifying data flows and de-risking migrations.

Full Stack Developer

SLH GmbH, Schüttorf | Oct 2011 - Nov 2014

Tech: JavaScript, ExtJS, REST, PHP, Symfony, MySQL

- Modernized a legacy frameset-based PHP application into a modular front-end/back-end architecture, rebuilding the UI with ExtJS on a clean PHP backend.

Education

M.Sc. Applied Computer Science

HTW Berlin | Oct 2019 - Oct 2023

Specialisations: AI, Deep Learning, Data Science, Bioinformatics | Grade: 1.1 | Exchange: NTUST, Taipei

B.Sc. Applied Computer Science

HTW Berlin | Apr 2016 - Sep 2019

Thesis: Style transfer for photos using deep learning | Grade: 1.6 | Exchange: UNINTER, Cuernavaca, Mexico

IT Management Assistant (Apprenticeship)

Kortmann Beton GmbH & Co. KG | Jul 2009 - Jul 2011