

Curriculum Vitae of Bastian Nolte

(V: AI)



Consultant & hands-on Architect in AI and Cloud Optimized Solutions

Enterprise full-stack Developer
Engineering Excellence Coach



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Professional Experience **28 years of experience in the IT sector, including approximately 15 years in architecture and consultancy roles, and 5 years as a coach. I have extensive experience working in international environments and have been part of English-speaking teams for the past 4 years. I bring extensive knowledge in AI, Azure cloud solutions, full-stack architecture, and development, as well as code quality practices to your company.**

Social Tags Solution Driver, Connector, Innovator

Tech Tags Robust, effective and efficient solutions including: Microsoft Azure, Internal Developer Platforms (IDP), CI/CD (GitLab, GitHub Actions), DevOps, AI Agent Teams, Claude Code Skills, Java (EE/Spring), Single Page Applications (Lit Web Components/React/Angular)

Email business@bastian-nolte.name

Comprehensive version WEB <https://bastian-nolte.name/en>
PDF <https://bastian-nolte.name/downloads/bastian-nolte.resume.en.pdf>

Xing https://www.xing.com/profile/Bastian_Nolte

LinkedIn https://www.linkedin.com/in/bastian-nolte/?locale=en_US

Address Lucerne | 8005 Zürich, Switzerland

Citizenship Germany

Residence permit Switzerland (permanent residence permit C)

Applicable INTL (International)

Preferred region of work Remote: International (en/de)
On site: Australia (generally possible), Switzerland (by arrangement)

Sector Experience Artificial Intelligence, Insurance, Information Technology, Automotive, Service Provider, IT Service Provider, Public Service, Educational Institutions, Telecommunications, Energy Sector, IT Security

Languages German (mother tongue), English (C1+)

Awards Innovation Award Public Private Partnership 2009 (PPP) for the interdisciplinary use of New Media

Leisure activities Surfing, Kayaking, Languages

Information

This CV is available in other versions (e.g. the "long version") and in the following formats: "PDF", "Web" and "Markdown". An **overview of all versions** and media formats can be found on the page <https://bastian-nolte.name/en/resumes>.

The latest version of this document can be downloaded from the web address <https://bastian-nolte.name/downloads/bastian-nolte.resume.short.ai.en.pdf>.

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Professional Development

Regular further education is the foundation of in-depth expertise. Therefore, I am constantly training myself, primarily using the possibilities of the World Wide Web. You can find a list of the most recent further education courses in the following table.

Year	Type	Organiser
2026	Anthropic Academy (ongoing) For details see: https://bastian-nolte.name/en/resume/#professional-development	Skilljar (Anthropic)

Further training and details at <https://bastian-nolte.name/en/resume#professional-development>

Project excerpts

The following chapters present my work profile to date using project extracts as examples. The presentation is in tabular form and includes my role in the respective projects, including a description of the projects. The technologies and the tools used can be found in the web version <https://bastian-nolte.name/en/resume> and the comprehensive PDF <https://bastian-nolte.name/downloads/bastian-nolte.resume.en.pdf>.

Agentic Job Search

Designed and implemented together with a Claude Code Agent Team: A nightly job search automation that scans job sources for relevant tech positions, scores candidates with Claude Haiku AI, and posts Slack digests of the best matches. Features Ports & Adapters architecture, resumable pipeline, Zod-validated API contracts, and snapshot-tested source adapters.

Role	Research, Architecture, Development
Period	Since April 2026

- Activities performed**
- Design and implementation of a Ports & Adapters architecture with composition-root dependency injection
 - Integration of job sources via REST APIs and RSS feeds with Zod schema validation
 - AI-powered job scoring using Claude Haiku via the Anthropic TypeScript SDK
 - Resumable pipeline with disk-cached API responses and append-only scored-jobs log
 - Keyword-based pre-filtering and cross-run deduplication via persistent store
 - Slack webhook integration for daily digest notifications with top matches
 - Snapshot contract tests for all source adapters using Vitest
 - Biome-based code quality with pre-commit hooks for linting and testing

Details: <https://bastian-nolte.name/en/resume#project-dc3cba84-e3f0-4064-9b18-270603d95c93>

Language Learning App with Lit and Web Components

Designed and implemented together with a Claude Code Agent Team: A modern language learning application built on native Web Components with only two production dependencies. Features include 3D flip animations, keyboard-first interaction, reactive state management, localisation, and design template support.

Role	Research, Architecture, Development
Period	Since March 2026
Activities performed	<ul style="list-style-type: none"> - Design and implementation of a component-based architecture using Lit and Shadow DOM - Reactive state management with TC39 Signals and computed properties - Implementation of 3D card flip animations with CSS transforms - Keyboard-first user experience with shortcut system - Persistent learning progress via localStorage - Minimal dependency architecture with only two production dependencies, reducing bundle size and supply-chain risk - Internationalisation with @lit/localize and XLIFF-based translation workflow - Code quality assurance with Biome 2 for linting and formatting, TypeScript strict mode for static type checking, and Git pre-commit hooks for automated quality gating

Details: <https://bastian-nolte.name/en/resume#project-26b6da22-3825-4753-a782-399ca9ff1edc>

Resume Website & AI Chatbot Claude

Migration of this resume website from Gatsby to Next.js using a Claude Code Agent Team, followed by the design and implementation of an AI-powered resume chatbot. The chatbot uses Claude Haiku via the Anthropic API with streaming SSE responses, letting visitors ask questions about professional background, skills, and experience.

Role	-
Period	April 2026 - April 2026

- Activities performed**
- Framework research and selection
 - Develop a project-specific CLAUDE.md file
 - Creation of a Claude Code Skill allowing Claude to maintain this resume's references efficiently
 - Carrying out the migration using a Claude Code Agent Team.
 - Design and implementation of an AI chatbot as a React widget with streaming responses
 - Development of a Netlify serverless function as chatbot backend using Claude Haiku, and rate limiting
 - Building a markdown generator to provide chatbot context
 - Accessibility and responsiveness of the chat widget (ARIA roles, keyboard navigation)

Details: <https://bastian-nolte.name/en/resume#project-51004192-7274-4c5e-ba04-7c9473f1099b>

ista Corporate (part of CK Hutchison Group)

(Oktober 2022 – Januar 2026)

ista is an international building management technology company operating in 20 countries with over 6,300 employees. Specialising in energy efficiency and CO₂ reduction for residential and commercial properties, ista manages data and digital processes for more than 460,000 customers across approximately 14 million properties worldwide (as of January 2026).

Enterprise-wide Azure Cloud Platform

As the central Azure cloud solutions team of an international corporation with companies in 20 countries (energy sector), we designed and developed the central cloud platform for the entire group, with hundreds of subscriptions and tens of thousands of Azure resources.

In doing so, we followed the «Azure Well-Architected Framework» and the «Microsoft Cloud Adoption Framework for Azure».

Besides the technical implementation, we focused on the organisational aspects of cloud adoption, such as governance, security, and compliance.

Our team worked closely with our company's solutions architects, the IPD team (internal developer platform) and the lift and shift team to help them implement state-of-the-art solutions and ensure a smooth transition of the on-premises services to the Azure cloud.

In addition to my work in that cloud team, I supported our stakeholders in solving more complex problems and provided training to employees, mainly on Azure cloud technologies and in code quality, best practice patterns, domain-driven design (DDD) and test-driven development (TDD).

Role	Hands-on Cloud Architect, Cloud Engineer, Training Consultant
Period	September 2022 - June 2025
Activities performed	<ul style="list-style-type: none"> - Designed and implemented the group's central Azure Solutions - Evolved the Azure Cloud Solutions Platform based on security, compliance, and governance requirements - Consulted our stakeholders on how to implement solutions, in consideration of governance and compliance, and following best practices patterns - Planned and configured complex CI/CD pipelines for the provision of infrastructure and applications on Azure - Trained colleagues, mainly in relation to architecture and development best practices - Supported our stakeholders in analysing and solving problems in the Azure Cloud

Details: <https://bastian-nolte.name/en/resume#project-dbfadd7b-0485-4bd3-8279-ee71325c60d>

More projects at the internet on my digital Curriculum Vitae at

<https://bastian-nolte.name/en/resume#projects>.

Soft skills

Acting on one's own responsibility	Analysing, Advising, Implementing, Checking / Testing, Improving
Myself	Introspection, Self-efficacy expectation, Personal responsibility, Self-discipline, High perceptiveness
Others	Helpfulness, Empathy, Critical faculties, Language competence
Collaboration	Team player, Flexibility, Committed, Professional competence

Know-how

You will find a complete **representation of my know-how** in my digital curriculum vitae at <https://bastian-nolte.name/en/resume#know-how>.

Artificial Intelligence

Platforms / Chatbots / Agents / Tools	Claude AI, Claude Code, Claude Cowork, Replit, GitHub Copilot, Microsoft Copilot, JetBrains Junie (JetBrains AI coding agent)
Models	GPT *, Claude Sonnet, Opus, Haiku, etc.
Pattern and Tasks	End-to-end AI model transformation, Modelling, Prompt Engineering, Claude Rules, Custom Agents, Custom Subagents, Claude Code Skills, Model Context Protocol (MCP), Retrieval-Augmented Generation (RAG), Claude Agent Teams, Claude Code Hooks, Claude Code Plugins, Ralph Wiggum Loops

Usage of this Curriculum Vitae

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