

# Niclas Lindstedt

RESUME

## IT Architect

Today I work as an IT architect at BookBeat, and on the side I build a small family of open-source CLIs — zag, zig, zad, and ztf — that make AI coding agents easier to orchestrate, sandbox, test, and connect to existing engineering workflows. They came out of working with agentic development professionally and running into the same gaps over and over: provider lock-in, brittle prompts, undebuggable multi-agent runs. The next step is taking these CLIs from personal tooling to something engineering teams can adopt end-to-end — production-ready packaging, documentation, integrations, and support so spec-driven agentic coding fits into existing git, CI, and oncall workflows without surprises.

## EXPERIENCE

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### IT Architect · BookBeat AB

Apr 2024 – Present

Audiobook and e-book streaming service.

> C#/.NET, Microservices, Azure, Kubernetes, Terraform, GitHub actions, Octopus Deploy, gRPC/Protobuf, Vector databases, CosmosDB, Redis, MSSQL, PostgreSQL, AI agents, Agentic workflows, RAG, Chatbots, MCP, Prompt engineering, Claude Code, GitHub Copilot, Codex CLI, Cybersecurity, Architecture, Observability, CI/CD, Bash/Shell, Mentoring

### CTO · IBNQ AB

Sep 2023 – Apr 2024

Software platform for family offices.

> C#/.NET, PostgreSQL, CosmosDB, Redis, Azure, React, TypeScript, GitHub actions, Architecture, Database design, IT strategy, Leadership, Cybersecurity, Bash/Shell, Mentoring, Project management, Integrations, Prompt engineering, ChatGPT

### Senior Manager · Etimo AB

Jan 2020 – Sep 2023

Senior Manager · Jan 2022 – Sep 2023

Manager · Jan 2021 – Dec 2021

Senior Consultant · Jan 2020 – Dec 2020

Software development and architecture consultancy.

> Mentoring, Technical interviews

## ASSIGNMENTS

### CTO · Svensk Utbildningsteknologi AB

Jan 2021 – Sep 2023

CTO · Jun 2021 – Sep 2023

Senior Developer · Jan 2021 – May 2021

Swedish edtech company behind Mitt Skolval.

> React, Node.js, TypeScript, AWS, Kubernetes, Terraform, Linux, GitHub actions, MySQL, Redis, CI/CD, Cloud migration, Prompt engineering, ChatGPT, Cybersecurity, Architecture, Leadership, IT strategy, Observability, Bash/Shell, Docker, GDPR, Mentoring, Integrations

## Senior Developer · SEB

Feb 2020 – Dec 2020

Nordic financial group.

> C#/.NET, Azure, React, TypeScript, Miniservices, MSSQL, Docker Swarm, Jenkins, Azure DevOps, Scrum, CI/CD, Docker, PowerShell

## Software Engineer · TimeWave AB

Jan 2020 – Feb 2020

Business management system for cleaning and home-service companies.

> TypeScript, Vue

## CTO & Co-Founder · Symptoms Europe AB

Nov 2015 – Jan 2020 · *half-time*

eHealth platform for patient-reported outcomes.

> C#/.NET, Azure, MSSQL, Docker, TeamCity, Octopus Deploy, CI/CD, Cybersecurity, Architecture, Database design, Leadership, IT strategy, PowerShell, GDPR, CE marking, Risk management, Project management

## Backend Developer · Indicio Technologies AB

Sep 2015 – Jan 2020 · *half-time*

Forecasting and scenario planning platform.

> C#/.NET, Python, MSSQL, Linux, TeamCity, Octopus Deploy, CI/CD, Cybersecurity, Architecture, Database design, Integrations, Bash/Shell

## Founder · Agilator AB

Feb 2016 – Present · *part-time*

Solo consulting practice.

## SIDE PROJECTS

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- **zag** (Jan 2026 – May 2026): A unified CLI and SDK for AI coding agents — change providers with a flag.  
[zag.niclaslindstedt.se](http://zag.niclaslindstedt.se)
- **zig** (Apr 2026 – May 2026): An agent orchestration engine, insulated from the churn of agent CLIs.  
[zig.niclaslindstedt.se](http://zig.niclaslindstedt.se)
- **zad** (Apr 2026 – May 2026): Signed, per-project service grants for AI agents — Discord, Slack, Gmail, Calendar, and more.  
[zad.niclaslindstedt.se](http://zad.niclaslindstedt.se)
- **ztf** (Apr 2026 – May 2026): Agent-assisted fuzzy AAA testing for agent and orchestration outputs.  
[ztf.niclaslindstedt.se](http://ztf.niclaslindstedt.se)
- **spotifai** (May 2026 – May 2026): A natural-language CLI for managing your Spotify and YouTube Music libraries — built on zag and zad.  
[spotifai.niclaslindstedt.se](http://spotifai.niclaslindstedt.se)
- **oss-spec** (Apr 2026 – May 2026): A spec for how open source projects are built — and a CLI that keeps repos up-to-spec.  
[github.com/niclaslindstedt/oss-spec](https://github.com/niclaslindstedt/oss-spec)

- **blog** (Apr 2026 – May 2026): A personal AI blog with agent-assisted administration — no CMS, no admin UI, no editor.  
blog.niclaslindstedt.se
- **cv** (Apr 2026 – May 2026): Personal website built to be generated from a schema-validated JSON résumé, written on an iPhone with the Claude Code App; updates ship via GitHub Actions.  
niclaslindstedt.se
- **juris** (Apr 2026 – May 2026): A Python pipeline that turns Swedish legal documents into a clean, RAG-ready corpus.  
juris.niclaslindstedt.se
- **swarm** (Nov 2025 – Mar 2026): A CLI agent orchestrator for Claude Code — queen, rules-based, and event-based.
- **app-endix** (Jul 2025 – Jul 2025): An early take on spec-driven development as a set of slash-command prompts.
- **etimo-achievements** (Oct 2021 – Feb 2023): A Slack-integrated achievements platform that turned office chores into a leaderboard.  
github.com/Etimo/etimo-achievements
- **dotnet-oauth2-server** (Nov 2020 – May 2021): OAuth 2.0 authorization server in ASP.NET Core.  
github.com/niclaslindstedt/dotnet-oauth2-server
- **docker-backup** (Apr 2021 – May 2021): Encrypted, compressed backups of host and container data — shipped as a 12 MB Docker image.  
github.com/niclaslindstedt/docker-backup

## EDUCATION

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### Information Systems

Aug 2014 – Jun 2017

Uppsala University · Bachelor's program · 165 ECTS

*Skipped the bachelor's thesis since I already held two relevant industry jobs in the field.*

### Medicine

Jan 2010 – Apr 2014

Umeå University · Uppsala University · Master's program · 205 ECTS

*Decided to pivot away from medicine after studying clinical medicine and seeing first-hand how rough the IT systems were that healthcare professionals had to use every day. That experience set me on the path toward information systems.*

## COURSES

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### Game Programming in Windows – Introduction

Jun 2015 – Aug 2015

Mid Sweden University · DT108G · 12 ECTS · 50% · Remote

### Game Programming in Windows – II

Sep 2015 – Jan 2016

Mid Sweden University · DT114G · 9 ECTS · 50% · Remote

### Game Design

Jun 2015 – Jul 2015

Uppsala University · 2AD148 · 7.5 ECTS · 100%

### Online Introduction to Law

Jan 2015 – Jun 2015

Uppsala University · 2JF068 · 15 ECTS · 50% · Remote

## SKILLS

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- **AI:** Spec-driven development, Agent orchestration, Agentic workflows, AI agents, Agent sandboxing, Agent security, Agentic testing, RAG, Chatbots, AI evaluations, Prompt engineering, Claude Code, Agent skills, MCP, Codex CLI, Gemini CLI, GitHub Copilot, ChatGPT, Ollama
- **Languages:** Rust, C#/.NET, TypeScript, Python, Swift, Java, Kotlin, C++, Bash/Shell, PowerShell
- **Frameworks:** React, React Native, Vue, Angular, Svelte, Node.js
- **Cloud:** Azure, AWS, Azure DevOps
- **Databases:** PostgreSQL, MSSQL, MySQL, Redis, CosmosDB, Vector databases
- **DevOps:** Linux, Docker, Docker Swarm, Kubernetes, Terraform, CI/CD, GitHub actions, Jenkins, TeamCity, Octopus Deploy, Observability
- **Practices:** Architecture, Database design, Cloud migration, Microservices, Miniservices, gRPC/Protobuf, RFC implementation, Integrations, SEO, Scrum
- **Leadership:** Leadership, Mentoring, Technical interviews, IT strategy, Project management
- **Compliance:** Cybersecurity, Risk management, GDPR, CE marking, WCAG

## LANGUAGES

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**Swedish** (Native), **English** (Professional)