



Krzysztof (Chris) Dudek

Senior Software Engineer

I build with AI agents and prove their work.

Email me@chrisdudek.com

GitHub github.com/krzysztofdudek

Location Kraków, Poland · remote (CET)

LinkedIn linkedin.com/in/krzysztofdudek

Web chrisdudek.com

Contract B2B

Summary

Senior software engineer with more than ten years of production .NET and distributed systems. Since 2024 I have worked with coding agents.

Through my own company I deliver features of production applications, working with coding agents. I take a business requirement from the moment the team accepts it to the release, and I make sure it works. I also set up the environment in which agents work autonomously or close to it.

I publish my tools for coding agents as open source under MIT. Yggdrasil checks every change against the architecture rules. ResearcherSkill has 250+ GitHub stars.

Experience

April 2026
to present

Senior Software Engineer · Own Company

Through my own company I deliver features of production applications, working with coding agents. I take a business requirement from the moment the team accepts it to the release, and I make sure it works. I also set up the environment in which agents work autonomously or close to it.

Claude Code, GitHub Copilot, Cursor, TypeScript, Playwright, .NET, own tooling

January 2025
to April 2026

Senior .NET Software Engineer · Betsson Group

I worked on a rewards and campaigns platform used by millions of people in several markets. It handled 100k+ transactions a day.

- I migrated core services from .NET Framework to .NET 8.
- I moved messaging from MSMQ and RabbitMQ to Apache Kafka.
- I implemented high-concurrency patterns with Microsoft Orleans.
- I helped move the platform to Kubernetes.
- I took part in the support rotation: incidents, diagnostics, fixes and better observability.

.NET 8, .NET Framework, C#, Kubernetes, Apache Kafka, Microsoft Orleans, Couchbase, MS SQL

March 2024
to December 2024

Contract .NET Engineer · EcoVadis and other clients

I worked as a contract .NET engineer for several clients, one of them EcoVadis.

- At EcoVadis I refactored the data access layer to remove the MSDTC dependency, so the services could move to Kubernetes without rewriting the business logic. That unblocked a stalled modernization program.
- I built an event-driven data platform, from scraping through transformation to semantic search, and delivered a working MVP in about three months.

.NET 8, C#, MassTransit, RabbitMQ, PostgreSQL, Docker, Kubernetes

March 2022
to March 2024

.NET Lead Developer · Frontiers

I led technical delivery on two initiatives: a new product and a legacy modernisation with the Strangler Fig pattern. The role ended when the company closed its Polish operations.

- I coordinated delivery for 20+ engineers in 2 teams, through 2 tech leads.
- I broke a 3-month requirements deadlock by getting business and engineering to decide together.
- I set up requirements intake and structured refinement, so the teams cleared open questions sooner.
- I introduced shared standards: base components, C4 diagrams and CI/CD pipelines.

September 2019
to February 2022

.NET Lead Developer · Ailleron

I owned the .NET authentication and authorisation module of a corporate banking platform written mostly in Java.

- I grew the team from 4 to 16 engineers and split it into 2 teams.
- I cut UAT-reported defects by about 60% in about a year, with structured logging and earlier detection.
- I brought Apache Kafka and Cassandra into a legacy system for event-driven integration.
- I mentored a senior developer into the tech lead role.

October 2018
to August 2019

Senior .NET Software Developer · Capgemini

I built tooling that automated Azure migrations for enterprise clients.

- I wrote the application framework and the core design patterns the team built on.
- I delivered 3 microservices for cloud automation.
- I mentored 5 developers on .NET Core and Azure.

May 2015
to September 2018

Early career · Pirios, COMP Soft, InitTec, BURY

- BURY: I designed the system for designing and printing labels in automotive production. It printed 10,000+ labels a day.
- COMP Soft: I built ERP extensions for the medical industry.
- Pirios: I designed and built an SMS gateway for public emergency services.

Built with agents

2025

A SaaS product of my own

TypeScript, React, Supabase

I built a SaaS product of my own with agents in Cursor. The stack was TypeScript, React and Supabase. By my count it reached 122k lines of code, 500+ commits and 100+ API endpoints.

Since February 2026	Yggdrasil github.com/krzysztofdudek/Yggdrasil · npm @chrisdudek/yg Say it once. I keep my architecture rules next to the code. Yggdrasil gives the agent the rules for the file it is about to edit. It checks every change in a pre-commit hook and in CI. Open source, MIT.
Since September 2026	Jarl github.com/krzysztofdudek/JarlSkill Every finding becomes an issue. Each issue gets a worker in its own copy of the repository, and nothing closes without evidence. I ran the 6.1.0 and 6.2.0 releases of my tools in it. Open source, MIT.
Since March 2026	ResearcherSkill github.com/krzysztofdudek/ResearcherSkill It asks me what to optimise and how to measure it. Then it runs experiments on its own branch, keeps what works and reverts what fails. Open source, MIT.

Skills

Agents and LLMs	Claude Code, GitHub Copilot, Cursor; agent skills; MCP servers; multi-agent orchestration
AI practice	End-to-end tests with Playwright, architecture checks for agents
Code context	Knowledge graphs from source repositories, semantic search
Programming languages	C# (10+ years), TypeScript
Backend	.NET (Framework, Core, 6 to 8), ASP.NET Core, Entity Framework, Node
Architecture	Distributed systems, DDD, CQRS, Clean Architecture, event-driven, microservices, REST API design
Messaging	Apache Kafka, RabbitMQ, MassTransit, Microsoft Orleans
Datastores	MS SQL, PostgreSQL, Oracle, Cassandra, Couchbase, Redis, Supabase
Cloud and DevOps	Azure (AKS, Service Bus, App Service, DevOps), Kubernetes, Docker, devcontainers, CI/CD

Certifications and languages

Certifications	Microsoft Azure AZ-203: Developing Solutions (2019) · Oracle PL/SQL (2016)
Languages	Polish: native · English: fluent (C1)