

Bogdan Novosad

Senior / Staff Software Engineer | Go, Rust, C#/.NET | Agentic Development | Developer Tooling

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Location: Spain

SUMMARY

Software engineer with 13 years of experience in backend systems, SaaS products and developer tooling, the last two years on a European learning platform for schools. Since early 2026 most of my work is agentic development: I deliver production tickets through a multi-agent workflow I designed, introduced it to my company and teach it to other engineers in seminars. With the same approach I built and shipped my own products in Rust and Go. I own the whole slice from data model and API to frontend, CI/CD and infrastructure.

- Pioneered agentic development at my company: designed the shared multi-agent workflow for Codex and GitHub Copilot and run seminars on it for other engineers.
- Built TeoriaYa, a language-learning web app in Go, PostgreSQL and SvelteKit with a reviewed multilingual content pipeline.
- Creator of GliderMCP: MCP tools for AI coding agents in Rust, C# and TypeScript. Glider has about 148K NuGet downloads.
- Open to full-time or B2B contract roles with remote teams in Europe or globally.

EXPERIENCE

Staff Software Engineer — Special Projects Team

Oct 2024 — Present

Software Country · Direct contract, Remote

Learning management platform used by schools and universities across Europe (~7M daily active users) - a long-lived .NET monolith with Svelte frontends and surrounding services.

- Pioneered agentic development in the company - designed and maintain the shared agent workflow for Codex and GitHub Copilot - four skills (general workflow, end-to-end ticket delivery, localization terms, modernization assessment) and nine specialist roles from Jira research and architecture to a single source writer, independent reviewer, verifier and GitLab delivery.
- Built the safety model into the workflow - one writer per change, review by a separate agent against the final diff, build and Playwright verification, and no publishing, merging or ticket changes without explicit human approval; shipped it with a versioned installer and wrote the repository AGENTS.md.
- Connected the agents to Jira, Confluence and GitLab through MCP, and to my own Glider and Scout servers for compiler-backed C# navigation and code search in a 300+ project solution.
- Run seminars on agentic development for engineers in the company.
- Since early 2026 delivered most of my tickets through this workflow with my own review of every change - the SCORM player replacement, ports of legacy C++ and WebForms code to C# and Svelte, security fixes and build toolchain upgrades.
- Built backend features for the teacher AI toolkit - OpenAI Responses API with file processing so teachers generate tests and assignments from their own materials, per-tenant rate limits and usage reporting.

Senior Software Engineer, then Full Stack Engineer

Sep 2018 — Oct 2024

Aspose

On Aspose.Words I reverse-engineered Microsoft Word layout and formatting algorithms as a black box, reimplemented them in the library and fixed performance issues. From 2023 I designed and built an online document viewer SaaS (.NET services, Angular, PostgreSQL, S3) with release automation through GitLab CI and ArgoCD, and an OpenAI-based assistant for documentation and support.

Full-Stack Engineer

Jul 2013 — Sep 2018

ADICOM

Maintained and extended a legacy ASP.NET MVC monolith on .NET Framework, and built new projects as .NET Core microservices with REST APIs and Vue.js frontends (also MongoDB, AngularJS, Knockout.js, jQuery). Introduced unit testing with xUnit and AutoFixture.

SELECTED PROJECTS

TeoriaYa — Founder

May 2026 — Present

Language-learning product for immigrants in Spain - learners practice the driving-license theory test in Spanish and tap any word or phrase to see it in their own language. Built end to end with AI agents.

- Go API (modular monolith with separate HTTP and AI-worker roles), PostgreSQL with sqlc and golang-migrate, SvelteKit learner and admin apps.
- Content pipeline - idempotent import, AI-assisted rewriting, generated images, translations and glossary tooltips, each behind a staged human review gate before publishing.
- Retrieval over the official traffic rulebook with local embeddings, a versioned vector index, and an evaluation set, also exposed to agents over MCP.

GliderMCP — Creator

Jan 2026 — Present

Local MCP servers that give AI coding agents compiler-backed and indexed evidence about a codebase - Glider (C#/.NET), TGlider (TypeScript), Scout (code search, Rust), Keep (shared knowledge store, Rust), and GliderTrace (.NET runtime evidence, early stage). glidermcp.com

- Glider - Roslyn-powered MCP server for C# navigation, references, call graphs, diagnostics, and preview-first refactoring; about 148K NuGet downloads (as of 2026-10-30).
- Scout (Rust) - incrementally updated local index with literal, regex and fuzzy search, tree-sitter declaration and structural search across nine languages, and optional on-device semantic search with GPU acceleration.
- Keep (Rust) - HTTP and MCP document store on SQLite with workspaces, role-based access, scoped credentials with expiry and revocation, an audit log, and history-preserving schema migrations.
- Release engineering for native binaries on Linux, macOS and Windows (x64 and arm64) via npm, Homebrew, NuGet and Docker Hub, built on a fleet of ephemeral self-hosted GitHub Actions runners.
- Docker-based harness that runs agents with and without the tools on the same tasks to measure their effect.

CORE SKILLS

Languages	Go, Rust, C#, TypeScript, SQL, Python
Agentic Development	Multi-agent workflows, Claude Code, Codex, GitHub Copilot, MCP servers, AGENTS.md / skills, Agent evaluation
Backend & Data	Go (sqlc, golang-migrate), Rust (tokio, hyper, rusqlite), .NET / ASP.NET Core, REST, SSE, RabbitMQ, PostgreSQL, MySQL/MariaDB, SQL Server, MongoDB, SQLite, Redis, S3 / R2
AI & LLM	OpenAI API, RAG, Local embeddings, Content pipelines with human review
Developer Tooling	Roslyn, tree-sitter, Semantic code analysis, Release engineering
Frontend	Svelte / SvelteKit, TypeScript, Tailwind CSS, Angular, Vue.js
Cloud & Delivery	AWS, Cloudflare, Docker, Kubernetes, Terraform, GitLab CI, GitHub Actions, ArgoCD, Prometheus, Grafana

EDUCATION

Moscow Aviation Institute (National Research University)

Master's degree, Computer Science — 2011–2013

Moscow Aviation Institute (National Research University)

Bachelor's degree, Computer Science — 2007–2011

LANGUAGES

English — C2 (EF SET, 2024)

Russian — Native