

Carsten Nilsson

Applied AI Architect | Product engineering, AI tooling, and test-driven delivery

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Senior software engineer bringing AI into real product engineering through **Codex**, tool integrations, **tests**, and review checkpoints.
I focus on maintainable changes in commercial software, not demos.

EXPERIENCE

Senior Software Engineer

Mar 2018 - Present

Ampler

Senior engineer on mature commercial software in a business past DKK 10M ARR, now leading practical AI adoption, weekly enablement, performance, reliability, and test-driven development.

- Present weekly AI tools and working practices, including **Codex** usage, evaluation habits, and Visual Studio debugging with AI.
- Ship **1-2 product features weekly** with AI and **test-driven development**; recent PRs reach near **90% coverage** and **10-20 tests**.
- Improved chart update performance by up to **20x** by caching and batching shape updates as deltas.

Senior Analyst

Sep 2014 - Feb 2018

Accenture

Delivered enterprise implementation work across ETL, migration, and business-critical backend systems.

- Built .NET ETL and integration work for IBM Db2 data migration and constrained client delivery.

AI AND TOOLING

Private AI workspace

Operate 10+ AI-supported workflows across Open WebUI, codex-lb, provider routing, curated context, validation prompts, and subagent orchestration setup.

- Use **Codex** daily across multiple worktrees with clear context, guardrails, and review checkpoints.
- Build repo-managed context flows around documentation, knowledge packs, validation prompts, and tool integrations.

SKILLS

AI tooling: Codex, tool integrations, **provider routing**, evaluation habits

Delivery: GitHub Actions, Docker, Ansible, OpenTofu/Terraform, CI review flow

Engineering: C#, .NET, Go, TypeScript, Python, SQL

EDUCATION

M.Sc. in Computer Science

Technical University of Denmark
2012 - 2014

Full CV at cv.nosslin.dk