

Stanislav Tolmachov

Go Backend Developer

Norway · Open to remote and relocation · Full right to work in Norway
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SUMMARY

Backend developer working with Go since 2022. Over the past four months I designed and shipped **Synaply**, a production language-learning platform at synaply.me — REST API, background worker, PostgreSQL and Redis, deployed in Docker behind TLS with a full CI pipeline. It is being piloted in a Norwegian secondary school. Before software I spent 13 years in film post-production, the last eight running my own studio delivering to Netflix, Amazon and Lionsgate. Looking for a backend role in a team with code review.

TECHNICAL SKILLS

Languages	Go, SQL
Backend	REST APIs, chi, net/http, JWT authentication, sessions, middleware, goroutines, context, sync
Data	PostgreSQL, pgx, goose migrations, Redis
Integrations	Anthropic Claude API (tool use, strict JSON schemas), DeepL API, SMTP
Infrastructure	Docker, multi-stage builds, Docker Compose, GitHub Actions CI, Caddy (auto-TLS), Linux
Observability	Prometheus, Grafana, Loki, Alertmanager
Testing	go test, table-driven tests, integration tests against real PostgreSQL via testcontainers
Tools	Git, Swagger / OpenAPI, Postman, GoLand

PROJECTS

Synaply — AI-powered language learning platform synaply.me · private repository — walkthrough on request
Go · PostgreSQL · Redis · Docker · Claude API · 300+ commits since April 2026

Solo-built production service: REST API, background worker, PostgreSQL storage and Redis session state, deployed behind Caddy with automatic TLS. **Piloted with two classes (~45 students) at a Norwegian secondary school (April–May 2026); a second pilot with the current version starts September 2026.**

- Built the authentication layer from scratch — JWT access and refresh sessions, email verification, password reset, and role-based middleware on top of chi.
- Implemented the core learning engine: vocabulary management and lesson flow combining **FSRS v4** spaced repetition with a Redis-backed round-robin queue that recycles failed words within a session before long-term scheduling.
- Integrated the **Anthropic Claude API** for word analysis and exercise generation using tool use with strict JSON schemas, plus DeepL for translation — producing explanations and phonetic transcriptions in each learner's own alphabet, since the pilot classes mix students from many countries and native languages.
- Structured the service in a layered architecture (handler → service → repository) covering 200+ REST endpoints documented with Swagger, on a PostgreSQL schema managed through 60+ versioned migrations; covered the repository layer with integration tests running against a real PostgreSQL instance in a container.
- Set up the delivery pipeline: multi-stage Docker builds, GitHub Actions CI running build, vet, govulncheck, race-enabled unit tests and integration tests on ephemeral PostgreSQL/Redis containers, container releases to GHCR, and a Prometheus / Grafana / Loki stack with alerting.

EXPERIENCE

Full-time transition to software engineering — Norway 2024 – present
• Building Synaply while completing an advanced Go mentorship program; freelance post-production alongside.

Teaching Assistant, Information & Media Production — Nord-Troms High School, Norway 2023 – 2024
• Mentored students one-on-one and ran workshops on technical tools and software.

Studio Owner & Post-Production Supervisor — MOVIESTIME.GROUP, Kyiv 2015 – 2023
• Ran a post-production studio delivering to international clients including Netflix, Amazon, Lionsgate and Company 3.
• Designed and optimized production and technical delivery workflows under fixed release deadlines.
• Administered Linux and macOS systems and SAN/NAS storage (QNAP, RAID); managed data I/O and secure delivery of multi-terabyte assets.
• Contributed to 10+ award-winning feature films, including the Oscar-nominated documentary *Winter on Fire*.

Film & Finishing Editor — KINOTUR / WIZARDPOST, Kyiv 2010 – 2015

EDUCATION

Go Development, Advanced Mentorship Program 2025 – 2026
Backend Go Development, online program 2022 – 2024
Computer Systems Technician, Zaporizhzhia Polytechnic National University 2004 – 2008

LANGUAGES

Ukrainian (native) · Russian (native) · English (B1)