

Tomáš Petržela

Senior software engineer · GraphQL & .NET

BASED IN	AVAILABILITY	EMAIL
Prostějov, Czech Republic	Hybrid or remote · CET · US & EU teams	info@thomasparsley.cz
WEB	GITHUB	LINKEDIN
thomasparsley.cz	github.com/Thomasparsley	linkedin.com/in/thomas-parsley

A senior software engineer specializing in GraphQL APIs on .NET. I design, migrate and stabilize services on Hot Chocolate and EF Core and the event-driven parts behind them, from the business brief through architecture to implementation.

WHAT I DO

01 GRAPHQL APIS

Hot Chocolate: persisted operations, operation cache, subscriptions for live results, schema design. Author of peroapi, a CLI that generates an OpenAPI v3 contract from persisted operations.

02 EVENT-DRIVEN SERVICES

MassTransit, Wolverine, RabbitMQ, batch consumers, idempotent message handling. When registration opens at a published time, the API only queues the application and a batch consumer allocates places. The first-second rush never hits the database.

03 SYSTEM DESIGN

Domain boundaries, data consistency across systems and behaviour under failure: two-way sync with Procore without duplicates, a sandbox for untrusted code on shared infrastructure, a platform from brief to on-call.

EXPERIENCE

Firesport s.r.o.

Jan 2023 - present

Contract · Flexible hours · Remote

firesport.cz

Senior Software Engineer & Platform Owner

Competition platform for fire sport

Requirements come from the platform's investor as a business need with no technical design. I turn them into an architecture, then implement, deploy and run it in production myself - the technical decisions, the infrastructure and the on-call are mine.

The competition platform runs live: load comes in bursts and people follow the results as they happen. When a start-order reservation opened, 184 applications arrived in the first second and the longest wait for an answer was 600 ms.

Designed the GraphQL layer in Hot Chocolate: persisted operations, operation cache and subscriptions that let people follow results and other events in the system live.

Migrating the messaging from MassTransit to Wolverine on RabbitMQ over licensing terms, in production and with no downtime.

Production runs on Docker Swarm on Oracle Cloud. Fixed a corrupted overlay network during a live outage, and moved observability from Aspire Dashboard through SigNoz to OpenObserve, which fits the hardware budget.

C#, ASP.NET Core, Hot Chocolate GraphQL, EF Core, MassTransit → Wolverine, RabbitMQ, PostgreSQL, Redis, Lucene, Quartz · Nuxt 4, TypeScript, UnoCSS · Docker Swarm, Oracle Cloud, Traefik, OpenTelemetry, GitHub Actions

CrewCost

Sep 2024 - May 2026

Contract · 40 h/week · Remote (US)

crewcost.com

Software Engineer

Construction accounting and job costing, venture-backed startup in the United States

Every job had to match in CrewCost and in Procore, wherever it was changed. I owned the sync: changes in CrewCost went out to Procore, and changes in Procore came back through webhooks. Idempotent writes and conflict resolution made sure no job was ever created twice. I also designed and built a sync module for third-party integrations, and comments.

Job-cost reports are where a contractor reads the numbers, and every one has to reconcile with the ledger under it. Built new reports and reworked the existing ones against the ledger.

Fully remote across a 6-9 hour time-zone gap, in English: a weekly sync, written tickets, the technical design on me.

Integray

Jul 2023 - May 2024

Contract · 40 h/week ·
Hybrid

integray.com

Fullstack Developer

Workflow integration platform, Intelligent Studios s.r.o.

Built the integration module that runs user-supplied Python scripts inside a sandbox - untrusted code on shared infrastructure, so isolation and resource limits were the design.

Audited a Node.js sandbox for user JavaScript: host objects passed into it (console, for one) let a script reach the host environment and compromise the machine it ran on. The findings led to fixes.

Manual or scheduled configuration sync from another Integray instance.

C#, ASP.NET Core, Node.js, Python, PostgreSQL, Quartz · Angular, TypeScript, CSS · Docker

PROJECTS

peroapi

2026 - present

Go CLI

github.com

Author & maintainer

A CLI tool that turns GraphQL persisted operations and a schema into a fully typed OpenAPI v3 specification. It closes a real gap for teams running persisted operations: consumers who expect REST-shaped documentation get it without the API giving persisted operations up. Built with cobra and gqlparser, covered by golden-file tests.

Go, cobra, gqlparser · GraphQL, OpenAPI v3

ODL Prostějov

2018+

League site

odlprostejov.cz

Developer

I've been building the ODL Prostějov website since day one - the birthplace of Firesport.cz and of the first algorithms for automated scoring, competition management, reservations and live results.

Django, PostgreSQL, GraphQL · Nuxt, UnoCSS · Docker

STACK

CORE

C#, ASP.NET Core, Hot Chocolate GraphQL, EF Core, MassTransit, Wolverine, NUnit, xUnit

DATA

PostgreSQL, Redis

INFRASTRUCTURE

Docker Swarm, Oracle Cloud, Traefik, RabbitMQ, OpenTelemetry, GitHub Actions

ALSO

Go, TypeScript, Python, Nuxt 4, Angular, Lucene, Quartz, AWS, Node.js, CSS

WORKING STYLE

Hybrid or remote contract work, async-first, written specs over standups.

On-site by agreement; hybrid and remote preferred.

Fixed-scope projects and part-time retainers.

LANGUAGES

Czech - native

English - working language of a US contract (2024-2026)

EDUCATION

Software Development and Programming, Department of Computer Science, Palacký University Olomouc

2020 - 2023, no degree

Taught the web development lab sessions (2022, 2023) and the Python seminars (2022)

AWARDS

HELLATHON II - 24-hour hackathon

2nd place · 2022 · Olomouc, CZ

StarCraft II - AI Cup

3rd place · 2021 · Olomouc, CZ