

Peter Angeli

Senior full-stack engineer · React, TypeScript, Node.js

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I build learning platforms for **one of Europe's largest educational publishers**, and I ship side projects end to end: mobile apps, edge-rendered sites, Kubernetes deployments, and AI tooling. My daily workflow is AI-native: **Claude Code**, agent workflows, and MCP tooling.

Experience

Senior Software Engineer · Infinitas Learning

Aug 2020 - present

via Danubius

Core engineer on the publisher's digital-textbook stack: the interactive content rendering engine, the teacher and pupil platforms serving tens of thousands of pupils and teachers daily, and AI-assisted content tooling. Currently on a 12-person product team.

React TypeScript Next.js GraphQL ts-rest/Zod Express PostgreSQL Playwright

Senior Software Engineer · Danubius IT Solutions

Jun 2020 - present

Budapest-based software consultancy. Long-term embedded engineer for an international EdTech client. Recent work includes an LLM pipeline that turns PDF textbooks into structured courseware, and a complete learning platform built solo for a language-education client: interactive exercises, test scoring with teacher review, a real-time shared whiteboard, and an agentic chat assistant that edits lesson content through schema-validated LLM tool calls.

TypeScript Next.js MongoDB PostgreSQL LLMs Tool calling

Projects

gyoztes.com

Driven by live Polymarket odds; bilingual, with per-match SEO pages and programmatic OG images, server-rendered on Cloudflare Workers. PostHog analytics and Search Console feed the SEO loop. 15.000 page views a month.

React TypeScript Cloudflare Workers PostHog

Exercise rendering engine

The npm library that renders a European EdTech publisher's digital textbooks and drives the exercise flow pupils learn through: dozens of interactive exercise types with answer validation, scoring, and automated accessibility and visual-regression gates. Top contributor on a five-engineer team; powers learning platforms serving 150k+ page views a day.

React TypeScript Zustand Storybook

AI PDF-to-courseware pipeline

Co-built a 14-stage typed pipeline converting PDF textbooks into structured, validated CMS content: retrieval with local reranking, process-isolated plugin execution, and git-like content versioning with diff and revert.

TypeScript Fastify PostgreSQL pgvector LLMs Ollama

devtake.dev

A time-decayed popularity ranking over prerendered articles, with edge view-counting on Cloudflare D1, engineered to run entirely on the free tier.

Astro Cloudflare D1 TypeScript

enbrain

An MCP server that gives coding agents semantic and symbol search over GitHub repos: local ONNX embeddings, sqlite-vec, tree-sitter chunking. No cloud, no API keys.

MCP sqlite-vec tree-sitter

BAC Battle

Maps, leaderboards and a home-screen widget that nudges mindful drinking. Built solo, end to end: on Google Play with premium subscriptions, in-app payments and ads, running on my own API and a GitOps Kubernetes deployment.

React Native Node.js MongoDB Kubernetes

Education

Master's, Computer Software Engineering 2021 - 2023
Budapest University of Technology and Economics · Applied Informatics, Data Science and Media Informatics

Master's, Computer Engineering 2022
Delft University of Technology · Erasmus+ Programme

Bachelor's, Computer Software Engineering 2017 - 2021
Budapest University of Technology and Economics · Software Engineering

Skills

React, TypeScript, Node.js, Next.js, Astro, Zustand, REST & contract-first APIs (ts-rest/Zod), PostgreSQL, MongoDB, Kubernetes, GitHub Actions, Playwright, Storybook, visual-regression testing, AI-assisted development (Claude Code, agent workflows).