

ZAKHAR SHYLOV

Computer Science Student · Mobile & Web Developer

Luxembourg | +352 621 150 539 | zakharshylov@gmail.com | zakharshylov.com | github.com/ZakharShylov

Computer Science student at the University of Luxembourg who ships production software independently — two apps published on the App Store and a commercial multilingual website live for a Luxembourg business. Strong in React Native, Expo and TypeScript, with offline-first architecture, local databases, technical SEO and on-device machine learning.

PROJECTS

INIZIO Wellness & Beauty

Client work · Live in production

Astro 6 · TypeScript · Cloudflare Pages & Functions · Storyblok · GitHub Actions

↗inizio.lu

- Production website for a premium wellness salon in Luxembourg — 88 indexable pages in EN / FR / DE / RU.
- Technical SEO and GEO: hreflang, canonicals, sitemaps, IndexNow, Open Graph and Schema.org JSON-LD for services and FAQs.
- Secure serverless contact flow on Cloudflare Functions with Resend, Turnstile, rate limiting and cookieless analytics.
- Automated deploys via GitHub Actions: build validation, smoke tests, rollback and checks across all 88 pages.

Quick Expenses — iOS Expense Tracker

Published on the App Store

React Native · Expo · TypeScript · SQLite · SwiftUI (WidgetKit)

↗App Store ↗Project page

- Offline-first personal finance app with no account, cloud or backend — data stays in a local SQLite database.
- Hybrid on-device categorization engine: merchant memory, keyword rules and a custom text-similarity model.
- CSV bank-statement import with automatic header, delimiter, date and decimal detection and duplicate checks.
- Native Home and Lock Screen widgets, versioned backup with checksum validation, regression tests over real SQLite.

Birthday Tracker — Reminders (iOS)

Published on the App Store

React Native · Expo · TypeScript · SQLite

↗App Store ↗Project page

- Offline-first birthday tracker in EN and RU with calendar and upcoming views, custom groups, photos, notes and checklists.
- Local notifications with multiple reminder intervals, correct across leap years, time zones and DST changes.
- SQLite persistence with migrations and recovery that prevent data loss and duplicate calendar events.
- Implemented Premium subscriptions through App Store in-app purchases and unlocking of paid features.

EDUCATION

2025 — present

Bachelor in Computer Science

University of Luxembourg

2023 — 2024

Economic Security — 1st year completed

Plekhanov Russian University of Economics

2012 — 2023

Secondary Education Diploma

School No. 6, Yalta

SKILLS

Languages

TypeScript, JavaScript, Python, SQL, HTML/CSS

Frameworks

React Native, Expo, React, Astro, SQLite, REST APIs

Web

Technical SEO, schema.org / JSON-LD, i18n & hreflang, accessibility

Tools

Git, GitHub Actions, Xcode, App Store Connect, Cloudflare, Vercel, Figma

Practices

Offline-first architecture, CI/CD, automated testing

Strengths

Shipping independently, problem-solving, fast learner, teamwork

LANGUAGES

Russian / Ukrainian — Native

English — C1

German — A2

French — A2