Lénárd-Sándor Tunya

Full-Stack Developer | Cluj-Napoca, Romania
+40 799 928 689 | contact@lenardtunya.com | lenardtunya.com
linkedin.com/in/lenard-tunya | github.com/JustTunya

Summary

Full-stack developer working mainly in TypeScript, with Next.js on the frontend and NestJS on the backend. Built crwsync, a real-time collaboration platform (WebSockets, Redis, Docker, CI/CD) that served as the subject of a bachelor's thesis and an ETDK presentation, and KROMA, an ordering and point-of-sale app with Stripe payments. M.Sc. student in Enterprise Software Design and Development, seeking a junior full-stack role.

Education

Babes-Bolyai University Sept. 2026 – Expected July 2028
Master of Science in Enterprise Software Design and Development *Cluj-Napoca, Romania*

Babes-Bolyai University Oct. 2022 – July 2026
Bachelor of Science in Computer Science *Cluj-Napoca, Romania*

- **Thesis:** crwsync: Design and Development of a Scalable, Real-Time Collaborative Platform
- **Conference:** Presented thesis research at the XXIX. ETDK (Transylvanian Scientific Students' Associations Conference), Informatics II section

Projects

crwsync – Real-Time Collaboration Platform July 2025 – Present
TypeScript, Next.js, NestJS, PostgreSQL, Prisma, Redis, Socket.IO *crwsync.xyz · GitHub*

- Built a Kanban and team-chat platform in a pnpm/Turborepo monorepo (2 Next.js apps, NestJS API) with shared TypeScript types between frontend and backend.
- Built real-time sync with Socket.IO and Redis Pub/Sub; load-tested on 6 instances at ~40,000 deliveries/s with zero message loss and 409 ms p99 latency.
- Deployed on Docker Swarm with GitHub Actions CI/CD that runs Jest unit tests and Playwright end-to-end tests before each release.
- Integrated Claude-powered features that summarize chat conversations, create tasks automatically from messages, and generate digests of task-board activity over a selected time period.

KROMA – E-Commerce & Point-of-Sale Web Application Aug. 2026 – Present
TypeScript, Next.js, Supabase, PostgreSQL, Stripe, Web Push, Vercel *kroma.lenardtunya.com · GitHub*

- Built an online ordering platform and a barista Kitchen Display System (KDS) for a coffee shop.
- Automated order processing with verified Stripe webhooks and Vercel Cron jobs that call PostgreSQL functions to update live stock and opening hours.
- Implemented authorization with PostgreSQL Row-Level Security policies, PIN-based staff login and VAPID Web Push order notifications.

Experience

Codespring Oct. 2024 – Jan. 2025
Student Developer (Academic Partnership) *Cluj-Napoca, Romania*

- Developed the chat interface of an AI chatbot app in React Native and connected it to the backend REST API.
- Implemented in-app camera capture and media upload with Expo modules.

Egnosis July 2024 – Aug. 2024
Mobile Development Intern *Sfântu Gheorghe, Romania*

- Implemented the Login, Navigation and News screens in Flutter and Dart, translating Figma designs into responsive layouts.
- Connected the screens to GraphQL APIs and handled client-side data fetching, loading states and rendering.
- Tested on physical iOS and Android devices and fixed platform-specific layout bugs.

Technical Skills

Programming Languages: TypeScript, JavaScript, SQL, Java, Python, Bash
Frontend: Next.js, React, Tailwind CSS, TanStack Query, Zustand, React Native, Flutter
Backend: NestJS, Spring Boot, Node.js, PostgreSQL, Prisma, Supabase, Redis, BullMQ, Socket.IO, REST, GraphQL
DevOps & Testing: Docker, GitHub Actions (CI/CD), Linux, NGINX, Git, Jest, Playwright

Languages

Hungarian (Native) · Romanian (Professional) · English (Professional)