

Peter Szepesi

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Education

Technical University of Košice

Computer Science

Košice

Sep 2024 — Present

- **Status:** Currently in 4th Semester (Expected 2nd Year Completion: June 2026).
- **Key Coursework:** Data Structures & Algorithms, Object-Oriented Programming (OOP), Database Systems, Operating Systems.

Secondary School of Electrical Engineering in Košice

Computer Science

Košice

Sep 2020 — May 2024

Experience

School Internship

Syntax Systems s. r. o.

May 2023 — Jun 2023

Košice

- Configured Windows and Linux environments for optimal system performance.
- Delivered programming tasks using **C#** and object-oriented design.
- Debugged and maintained software applications, applying problem-solving skills.

Projects

Gym Companion App | React, JavaScript, Spring Boot, PostgreSQL

Dec 2025 — Feb 2026

- **Engineered a full-stack CRUD application** featuring a RESTful API to manage complex user fitness data and relational persistence.
- **Prioritized Data Integrity:** Implemented rigorous backend validation and relational database schema design to ensure accurate tracking of longitudinal user metrics.
- **User-Centric Design:** Developed a high-performance, responsive UI using **Tailwind CSS**, focusing on intuitive navigation and real-time state management to handle dynamic data updates seamlessly.

Personal Portfolio | React, JavaScript, Tailwind CSS, Vercel

Dec 2025 — Dec 2025

- **Full-Cycle Deployment:** Engineered and successfully deployed a production-ready portfolio on **Vercel**, maintaining 100% uptime and implementing global CDN distribution for low-latency performance.
- **Automated CI/CD Workflow:** Integrated **GitHub with Vercel** to establish an automated deployment pipeline, ensuring that every code push triggers an optimized build and instant preview.
- **Optimized UI/UX:** Implemented modular React components to ensure high performance, fast load times, and a consistent user experience regardless of the browser or hardware.

MotorMinder | Java, SQLite, Android SDK

Nov 2023 — Mar 2024

- **Architected an "Offline-First" mobile solution** for critical resource tracking (fuel, maintenance, and mileage).
- **Robust Local Storage:** Designed and implemented a structured **SQLite database schema**, ensuring 100% data availability without an internet connection—a key requirement for mission-critical mobile tools.
- **Object-Oriented Logic:** Applied advanced OOP patterns to manage complex calculations for fuel efficiency and maintenance scheduling.

Skills

Languages: JavaScript (ES6+), Java, C#, C, SQL

Frontend: React, Tailwind CSS, HTML5, CSS3, Responsive Design

Backend & Databases: Spring Boot, PostgreSQL, MySQL, SQLite, REST APIs

Tools & DevOps: Git, GitHub, Vercel (CI/CD), GitHub Copilot

Core Competencies: RESTful API Design, Data Persistence, Object-Oriented Design (OOD), Responsive Web Standards