

Peter Szepesi

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Education

Technical University of Košice <i>Computer Science</i>	Košice <i>Sep 2024 — Present</i>
Secondary School of Electrical Engineering in Košice <i>Computer Science</i>	Košice <i>Sep 2020 — May 2024</i>

Experience

School Internship <i>Syntax Systems s. r. o.</i>	May 2023 — Jun 2023 Košice
<ul style="list-style-type: none">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 <i>React, JavaScript, Spring Boot, PostgreSQL</i>	Dec 2025 — Feb 2026
<ul style="list-style-type: none">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 <i>React, JavaScript, Tailwind CSS, Vercel</i>	Dec 2025 — Dec 2025
<ul style="list-style-type: none">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 <i>Java, SQLite, Android SDK</i>	Nov 2023 — Mar 2024
<ul style="list-style-type: none">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