

Work Experience

- Aug 2025 – Current **Software Engineer (Full-time)**, *Barion*, Budapest, Hungary
- Contributed to the design and maintenance of the Barion Wallet, including e-money balance handling, transactional workflows, and withdrawal anomaly investigations.
 - Implemented and maintained backend services in .NET supporting wallet payments, balance operations, and customer statements generation within a high-availability payment system.
 - Provided technical support for external partner integrations, diagnosing API-related issues using log correlation and database analysis.
 - Participated in production incident handling, including root cause analysis and mitigation.
- Aug 2023 – May 2025 **Software Engineer (Full-time)**, *3DHitech*, Budapest, Hungary
- Designed the rollout of a Single Sign-On solution using IdentityServer4, enabling secure authentication across 9+ applications for 100+ users.
 - Built a granular role-claim model supporting dynamic per-app authorization, reducing hardcoded permission logic.
 - Ensured OAuth 2.0 compliance across authentication flows and implemented cross-application language tracking via claims.
 - Developed an internal onboarding API to register and configure new applications within the SSO ecosystem.
 - Redesigned the EF Core data layer using a hybrid ORM/SQL approach to improve transactional control and query transparency.
 - Implemented password expiration policies and custom authentication extensions aligned with RFC based security requirements.
- Sep 2022 – Aug 2023 **Software Engineer Intern (Part-time)**, *GoTo*, Budapest, Hungary
- Contributed to an internal developer platform used to teach secure coding practices.
 - Implemented AWS CloudFormation API integrations to manage infrastructure-as-code deployments for challenge environments.
 - Built and maintained UI components in React to visualize challenge progress.
 - Took ownership of a biweekly Falcon-based security reporting system, deployed via AWS Lambda and delivered directly to the CISO.
- Sep 2021 – Sep 2022 **Software Engineer Intern (Part-time)**, *Armin Trade*, Budapest, Hungary
- Developed a desktop application in WinForms, used by logistics managers and sales teams to track inventory and operations.
 - Extended and maintained a custom-built ORM layer, enabling domain-specific queries.

Technical Skills

Programming Languages	C#, TypeScript, JavaScript, Python, PowerShell, SQL
Backend	.NET (Core, Framework, ASP.NET MVC, WPF), Entity Framework Core
Frontend	React, Angular
Cloud & DevOps	AWS, Docker, Jenkins, Git
Databases	MSSQL, PostgreSQL