SZILARD FERENCZ

FULL STACK SOFTWARE ENGINEER ● BUDAPEST, HUNGARY ● +36 20 886 3033

DETAILS

Budapest, Hungary
+36208863033
szilard.fer@gmail.com

LINKS

LinkedIn:
Linkedin
Personal Site:
www.szilardferencz.dev

SKILLS

Programming:
C#, TypeScript, JavaScript,
HTML, CSS, SCSS, Python

Backend: .NET, FastAPI

Frontend: Angular (NgRx, RxJS)

Database / ORM: MSSQL, Oracle
DB, Entity Framework Core

Cache/NoSQL: Redis

Cloud & DevOps: Azure, Azure
DevOps CI/CD, Kubernetes,
Helm Charts, Docker

Testing: Unit & Integration
(xUnit, NUnit), E2E (Cypress,
Postman), Load (Locust)

Message / Event Streaming:
RabbitMQ

PROFILE

Full Stack Software Engineer with expertise in **.NET** and **Angular**, skilled in building **high-performance web applications** and managing the **full software lifecycle**—from **design** and **implementation** to **DevOps** and **frontend development**. Experienced with **Azure**, **Azure DevOps**, **Kubernetes**, **Helm**, **Docker**, **CI/CD**, and **automated testing**. Familiar with **Python FastAPI** and **LangGraph** for **AI** or backend tasks. Passionate about continuously exploring new tools and frameworks to deliver **reliable**, **maintainable**, and **innovative solutions**..

EMPLOYMENT HISTORY

Full Stack Software Engineer at Robert Bosch Kft., Budapest

January 2021 — Present

- Developed and maintained full stack applications using .NET 8 and Angular 20.
- Optimized DevOps workflows with Azure pipelines, CI/CD automation, and containerization strategies, achieving a 30% faster pipeline runtime.
- Implemented comprehensive testing strategies using unit, integration, and automated testing frameworks (Postman, Cypress, Locust) to ensure reliable and maintainable solutions.
- Collaborated with cross-functional teams to define project requirements.
- Provided mentorship and support as a senior developer.

Key Accomplishments:

- Refactored legacy code to implement Entity Framework and Domain-Driven Design, improving maintainability, scalability, and performance.
- Developed a foundational engineering framework with configurable steps, enabling greater flexibility and scalability in application workflows.

PLC Programmer at Robert Bosch Kft., Budapest

February 2018 — January 2021

- Implemented control software for industrial machines.
- Commissioned machines, softwares and supported trial production.
- Communicated with customers to understand requirements and ensure satisfaction.
- Managed small projects, overseeing timelines and deliverables.

Key Accomplishments:

- Successfully contributed to the implementation and commissioning of an entirely new manufacturing line, ensuring smooth integration and operational efficiency.

PLC Programmer at Agrometal-Food-Tech Kft., Budapest

June 2015 — February 2018

- Implemented machine software from scratch.
- Created circuit diagrams for machine systems.
- Participated in commissioning to ensure proper functionality.Provided after-sales support, troubleshooting and optimizing performance.

Design Engineer at Baldwin UV, Slough, UK

May 2014 — May 2015

- Learned key concepts in control systems, automation and programming.
- Studied signal processing, electrical machinery, and digital systems.
- Developed problem-solving skills through projects and practical applications.

🎓 EDUCATION

Electrical Engineer BSc., University of Pécs

September 2009 — February 2014

- Learned key concepts in control systems, automation and programming.
- Studied signal processing, electrical machinery, and digital systems.
- Developed problem-solving skills through projects and practical applications.

PORTFOLIO PROJECT

Full-Stack Finance App (.NET, Angular, Azure, Python, FastAPI, LangGraph)

Built a full-stack web application with **robust and secure user management, transaction CRUD, CSV import, and AI-powered transaction categorization**. Implemented **weekly background jobs** for exchange rate updates, deployed via **Azure Container Apps** with **GitHub Actions CI/CD**, focusing on **scalable architecture, performance, and reliable testing**. **Try it online**: www.financeapp.fun