



# SZILVESZTER SPÁTH



FULL STACK SOFTWARE ENGINEER

<https://silvesterspath.me>

## CAREER PROFILE

After a successful 10+ year career in mechanical engineering, I transitioned into software engineering more than 5 years ago. My primary focus has been on full-stack web development with React and Node.js, as well as cloud-based technologies like MongoDB and AWS. I have gained valuable experience working as a freelancer and as a software engineer at EPAM Systems, where I gained multinational experience in agile environment. I am proficient in English and German.

## CAREER HIGHLIGHTS

- Increased global availability by 35% by developing a large-scale ticketing application in a scrum team using event-based microservices with Node.js, deployed via AWS Lambda functions (EPAM)
- Contributed to a 20% sales increase over a 6 months period at EPAM by migrating multi-page user experiences into single-page apps using React in a scrum team, resulting in a 35% improvement in page loading time and a 25% quicker response rate from users
- Doubled website revisits and achieved 25% higher click-through rates by leveraging modern UI/UX design principles and transforming designs from Figma into dynamic websites. Built full-stack web applications as a freelancer - see examples at [silvesterspath.me](https://silvesterspath.me)

## PROFESSIONAL EXPERIENCE

[spath.sz@gmail.com](mailto:spath.sz@gmail.com)



[linkedin.com/in/silvesterspath](https://www.linkedin.com/in/silvesterspath)



[silvesterspath.me](https://silvesterspath.me)



[github.com/SilvesterSpath](https://github.com/SilvesterSpath)



1132 Budapest, Hungary



## LANGUAGE SKILLS



Native | HUNGARIAN



Fluent | ENGLISH



Advanced | GERMAN

## EXPERTISE / SOFT SKILLS

Complex Problem Solving

Communication and collaboration (ToastMasters)

Analytical and Logical Thinking

Ability to Work Independently

Attention to Details

### Software Engineer 2021 – present

#### EPAM Systems

I collaborated with cross-functional teams to develop large-scale applications, enhancing my proficiency in JavaScript and TypeScript. I also acquired new skills in AWS and Google Cloud computing. Additionally, I expanded my expertise in event-based microservices with Docker and data visualization with React through challenging projects

### Software Engineer 2019 – 2021

#### Freelancer

Built web applications such as online marketplaces, ecommerce stores and social media apps using Node.js, React Redux and MongoDB. Also migrate multi-page user experiences to single-page applications

### Software & Senior Mechanical Engineer 2018 – 2019

#### Tig-Heg Ltd, Freelancer

Developed RESTful APIs in a React environment using Node.js/Express.js and SQLite for mechanical engineering use case. Also wrote BASH scripts (in LINUX environment), and solved complex data structure problems using algorithms in Python and Javascript

### ASME Quality Control & Welding Engineer 2015 – 2018

#### Tig-Heg Ltd

Inducted the American ASME quality control system in a pressure vessel manufacturer company for sterilizing medical instruments in English language, carried out welding engineering tasks (GMAW/GTAW)

### Product developer, German-Speaking Engineer Liaison 2012 – 2013

#### OBO Bettermann Ltd

Beyond facilitating technical communication with the parent company in German, I actively participated in product development, from launching new kabel-tray system elements to enhancing existing ones through innovative part design with 3D printing and selection of optimal production technology

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## COMPUTER LANGUAGES

■ ■ ■ ■ ■	JAVASCRIPT, TYPESCRIPT
■ ■ ■ ■ ■	HTML5, CSS3
■ ■ ■ ■ ■	PYTHON, C#
■ ■ ■ ■ ■	SQL, NOSQL, GRAPHQL
■ ■ ■ ■ ■	BASH

## FRAMEWORKS & LIBRARIES

■ ■ ■ ■ ■	REACT, REDUX
■ ■ ■ ■ ■	NODE.JS, NEXT.JS
■ ■ ■ ■ ■	BOOTSTRAP, TAILWIND CSS
■ ■ ■ ■ ■	RTL, JEST (TESTING)

## CONCEPTS & PRINCIPLES

■ ■ ■ ■ ■	FUNCTIONAL PROGR
■ ■ ■ ■ ■	OOP PROGRAMMING
■ ■ ■ ■ ■	CLEAN CODE, CMS
■ ■ ■ ■ ■	SOLID PRINCIPLES
■ ■ ■ ■ ■	AGILE METHODS
■ ■ ■ ■ ■	UX/UI DESIGN PRINCIP
■ ■ ■ ■ ■	WEB SECURITY
■ ■ ■ ■ ■	CONTAINERIZATION

## TOOLS & TECHNOLOGIES

■ ■ ■ ■ ■	FIGMA, SKETCH
■ ■ ■ ■ ■	CLOUD PLATFORMS (AWS, GCP)
■ ■ ■ ■ ■	HTTP, WEBSOCKETS

## EDUCATION

2022 Jan – currently

**Cloud technologies** (AWS, GCC), **Containerization** (Docker, Kubernetes), **IAC** (Terraform), **Server-side rendering** (Next.js)

LinkedIn, Udemy

2020 Aug – currently

**MERN Stack Web Development, Data Structures and Algorithms**

Udemy, AlgoExpert

2019 Sept – 2020 Jan

**Data Science** (SQL, Data Visualization, Machine Learning with python and numpy)

University of Technology and Economics

2018 Okt – 2020 Aug

**Web Development** (HTML, Css, JavaScript, React, Node.js, Express, SQLite)

CodeCademy

2018 - present

**Python 3 programing language** (Complex Data Structures, Searching and Sorting Algorithms)

CodeCademy, Online Courses, Books

2017 (for half a year)

**Programming basics** (C#, JAVA)

Ruander learning center

2016

**International Welding Engineer** (EWEIWE)

Determine the technical instructions of the welding process, writing WPS cards

University of Óbuda

1999-2002

**Mechanical Engineer, area of studies Cad/CAM**

Production engineering, materials science and engineering technology

Bánki Donát Technical College

1990-1995

**Polytechnic / Building service**

Water, gas, heating and air-conditioning, / welding pipes and-fittings

Vági István Technical High School

## Extracurricular and Volunteer Activities

- Creating full-stack web applications for Toastmaster meetings (volunteering)
- Docker, Kubernetes
- Micro Frontend with the Module-Federation-Plugin