



SZILVESZTER SPÁTH



FULL-STACK SOFTWARE ENGINEER
React, Node.js, Cloud (AWS/GCP) | Engineering Mindset

<https://silvesterspath.me>

CAREER PROFILE

After a successful 10+ year career in mechanical engineering, I transitioned into software engineering more than 7 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've built valuable experience both as a freelancer and as a software engineer at EPAM Systems, where I worked in a multinational, agile environment. I'm fluent in English and proficient in 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

PROFESSIONAL EXPERIENCE

Software Engineer
2024 – present

Freelancer

Led the development of full-stack web and mobile applications (**React Native**), including ecommerce stores with **AI agent** implementation, using **Python** (Django, FastAPI, FARM stack), **Node.js** (Express), **React** (micro frontend) and **Drizzle ORM**. Coordinated with clients to deliver high-quality solutions, leveraging **Next.js** and **TypeScript** for enhanced performance and scalability.

Software Engineer
2021 – 2024

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 (DynamoDB)** and Google **Cloud computing**. Additionally, I expanded my expertise in event-based **microservices** with **Docker** and data visualization with **React** through challenging projects. 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 Engineer
2019 – 2021

Freelancer

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)

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



silvesterspath.me



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

SZILVESZTER SPÁTH

FULL-STACK SOFTWARE ENGINEER

COMPUTER LANGUAGES

<div><div></div><div></div><div></div><div></div><div></div></div>	JAVASCRIPT, TYPESCRIPT
<div><div></div><div></div><div></div><div></div><div></div></div>	HTML5, CSS3
<div><div></div><div></div><div></div><div></div><div></div></div>	PYTHON, C#
<div><div></div><div></div><div></div><div></div><div></div></div>	MySQL, NoSQL, GRAPHQL
<div><div></div><div></div><div></div><div></div><div></div></div>	BASH, POSTGRESQL

FRAMEWORKS & LIBRARIES

<div><div></div><div></div><div></div><div></div><div></div></div>	REACT, REDUX
<div><div></div><div></div><div></div><div></div><div></div></div>	NODE.JS, NEXT.JS, NEST.JS
<div><div></div><div></div><div></div><div></div><div></div></div>	BOOTSTRAP 5, MATERIALIZE
<div><div></div><div></div><div></div><div></div><div></div></div>	RTL, JEST (TESTING)

CONCEPTS & PRINCIPLES

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

TOOLS & TECHNOLOGIES

<div><div></div><div></div><div></div><div></div><div></div></div>	FIGMA, SKETCH
<div><div></div><div></div><div></div><div></div><div></div></div>	CLOUD PLATFORMS (AWS, GCP)
<div><div></div><div></div><div></div><div></div><div></div></div>	HTTP, WEBSOCKETS

EDUCATION

2025

React Native mobile development (Android, iOS), **Drizzle-ORM**, **Monorepo** architecture, **Machine Learning (ML)** principles

2022

Cloud technologies (AWS, GCP), **Containerization** (Docker, Kubernetes), **IAC** (Terraform), **Server-side rendering** ([Next.js](#)), **Nest.js**
LinkedIn, Udemy

2020

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

2019 – 2020

Data Science (SQL, Data Visualization, Machine Learning with python and numpy)
University of Technology and Economics

2018 – 2020

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

2018

Python 3 programming language (Complex Data Structures, Searching and Sorting Algorithms)
CodeCademy, Online Courses, Books

2017

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

2002

Mechanical Engineer, area of studies **Cad/CAM**
Production engineering, materials science and engineering technology
Bánki Donát Technical College

Extracurricular and Volunteer Activities

- Creating full-stack web applications for Toastmaster meetings (volunteering)
- Docker, Kubernetes
- AI/ML engineering