M. Saeed **Mafipour**

FULL STACK DEVELOPER · SOFTWARE DEVELOPER · AI DEVELOPER

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📍 Munich, Germany
🎂 February 18, 1995 · Age: 30

Profile

Full-Stack Developer (Ph.D. in Engineering) focused on web applications and artificial intelligence. I develop scalable solutions from frontend to backend to machine learning that efficiently solve real-world problems.

Visit some sample projects on my portfolio at **msmafipour.com →**

Work Experience

Full-Stack Developer	Development of applications for controlling robotic systems – using React.js, TypeScript, as well as ASP.NET and MongoDB/PostgreSQL. Focus on user-friendly design, real-time communication, and robotics integration (ROS2, gRPC).	*TUM & Aiina Robotics, Germany* *2023–2024*
Research Associate	Development of data-driven software solutions with a focus on 3D data processing, interactive applications, and AI-assisted methods. Creation of tools for automated model generation and visualization.	*TUM, Germany* *2020–2023*
Full-Stack Developer	Development of web applications using modern frontend technologies (React.js, TypeScript, HTML, CSS) as well as collaboration on backend development with ASP.NET, Express.js, MongoDB, and PostgreSQL.	*Webdaran, Iran* *2017–2020*

Technical Skills

Programming Languages	JavaScript, TypeScript, C#, Python, C++, SQL, LaTeX
Frontend Development	React, Next.js, Tailwind CSS, Styled-Components, HTML, CSS, Sass, Bootstrap, Shadcn/UI
Backend & Databases	ASP.NET, Express.js, gRPC, RabbitMq, SignalR, Prisma, Entity Framework, PostgreSQL, MongoDB
DevOps	Docker, Kubernetes, CI/CD, Vercel, Netlify
Authentication & Security	OAuth 2.0, OpenID Connect, IdentityServer, ASP.NET Identity, Auth.js (NextAuth)
Tools & Testing	Git, Postman, Jest, Cypress, Webpack, Vite, ESLint, Prettier
AI / ML / Data Science	PyTorch, TensorFlow, Scikit-learn, Transformers, Pandas, NumPy, Matplotlib

Education

Technical University of Munich	*Munich, Germany*
Dr. -Ing. (Ph.D. in Engineering)	*2020–2024*
University of Tehran	*Tehran, Iran*
M.Sc. Structural Engineering	*2017–2020*
University of Zanjan	*Zanjan, Iran*
B.Sc. Civil Engineering	*2013–2017*

Certificates & Awards

2024	Dr.-Ing./Ph.D. in Engineering and Design	*TUM*
2023	AI - Tensorflow Developer	*Google Programing Test*
2021	1st place at CV4AEC (Computer Vision in Construction competition)	*Online Competition*

Languages

German (B2 TELC-General), **English** (C1 TOEFL IBT: 103/120), **Persian**