

Adam Magyar

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LANGUAGES AND TECHNOLOGIES

- **Languages:** TypeScript, JavaScript, Python, Java
 - **Frontend:** React, Next.js, Tailwind CSS, Vite, GraphQL
 - **Backend:** Node.js, NestJS, Python, REST APIs, Spring
 - **AI / Automation:** LangChain, Conversational AI, n8n, Sierra SDK
 - **Cloud & DevOps:** AWS, Serverless, Docker, CI/CD
 - **Web Platform Skills:** API Design, Accessibility, Testing (Unit / Integration / E2E)
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ABOUT ME

Senior Software Engineer experienced in building and modernising production web applications, including high-performance marketing and customer-facing platforms.

Proven track record delivering 80%+ performance improvements, developing AI-driven products, and collaborating closely with product and design teams to ship reliable, user-focused software.

Creative, responsible, and a strong team player, passionate about mentoring engineers and contributing to high-performing teams.

EDUCATION

Eötvös Loránd University - [Computer Science BSc](#)

HIGHLIGHTED ACHIEVEMENTS

- Contributed to Marsha, AI-powered customer support agent, handling 10,000+ weekly conversations
 - Modernized a legacy Angular LMS with React micro-frontends for seamless data sharing
 - Built LangChain AI tools to streamline internal workflows
 - Delivered vodafone.co.uk content services for millions of monthly visitors
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PROFESSIONAL EXPERIENCE

Marshmallow

Senior Software Engineer – AI Agent Development

May 2025 - Present

- Develop Marsha, an AI-powered customer service agent handling 12,000+ conversations per week
- Build and optimize React/Vite frontend features, improving performance and developer experience
- Implement TypeScript APIs and integrations connecting conversational workflows to insurance services
- Architect scalable conversation logic for complex multi-step workflows
- Collaborate closely with product, design, and backend teams to deliver customer-facing features
- Ensure high reliability, performance, and maintainability in production systems

Bene Studio

Senior Software Engineer & Instructure Team Extension

May 2023 - May 2025

- Contributed to modernizing a legacy Angular application by integrating React via a micro-frontend approach, enabling gradual migration and seamless data sharing between frameworks
- Optimized frontend and backend systems, achieving significant performance improvements
- Expanded frontend test coverage by 30% and enhanced accessibility compliance
- Developed scalable backend services with Node.js, Python, and AWS Lambda
- Implemented AI-driven internal tools using LangChain to improve knowledge access and team workflows
- Supported team development by mentoring engineers and participating in technical interviews

Accenture / Vodafone UK (outsourced team extension)

Jan 2022 - May 2023

FullStack Software Engineer

- Built and maintained content services powering vodafone.co.uk, a high-traffic website serving millions of visitors per month
- Developed React components and content models integrated with Contentful CMS, enabling marketing teams to manage content independently
- Implemented React performance optimizations (lazy loading, code splitting), improving page load speed and user experience
- Managed AWS infrastructure to support scalable, reliable production systems
- Mentored junior developers and contributed to code reviews, promoting best practices and maintainable code

Tesco Business Services & Technology

April 2021 - Jan 2022

Software Engineer (L2)

- Developed internal productivity tools, streamlining operations and tracking agreements
- Contributed as a full-stack engineer, handling DevOps and defining product features.
- Built scalable, cloud-based solutions leveraging AWS and Azure.
- Developed intuitive UIs with React, GraphQL, and CRA.
- Engineered robust backends using Java/Spring Boot, Node.js/Express, and Apollo Server.
- Ensured reliability with Jest, Sinon, and Cypress testing frameworks.
- Managed infrastructure and deployments with Docker, Kubernetes, and Jenkins.

HariTech Kft.

Jun 2020 - April 2021

Medior FullStack Software Engineer

Mindtech Apps Kft.

Aug 2018 - April 2020

Junior Software Engineer

RECENT PROJECTS

- Lexicon-AI – RAG-based document Q&A tool. Upload any document and get AI-driven answers; built with Python, LangChain, and Next.js
 - Alpha Trust Insurance – Custom website built to meet the client's specific requirements, supporting client management and consulting workflows. Built with Next.js, TypeScript, Tailwind CSS
 - Portfolio Website – Built with Next.js and Tailwind CSS, featuring projects, blog, and contact form. (Live: adammagyar.hu/en)
 - Agro Apotéka – E-commerce platform for agricultural products, including fertilizers and farming supplies. Built on Unas e-commerce platform.
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HOBBIES, INTERESTS

- Powerlifting and strength training
- Building smart home and IoT projects (ESP32, MicroPython)
- Exploring AI tools and emerging technologies
- Chess and strategy games
- Walking and hiking in nature