

Istvan Mezo

📍 Boston, MA, USA ✉ mezoistvan1@gmail.com ☎ (617) 256-1789 📺 in/mezoistvan 🌐 istvanmezo.dev

SUMMARY

Lead full-stack engineer with 10+ years building scalable systems serving millions of users globally. Adept at building products and infrastructure from the ground up and leading small, fast-moving teams. Deep full-stack expertise across frontend, backend, and data, with experience architecting and implementing high-traffic, direct-to-consumer platforms. Recently focused on AI-powered applications, leveraging LLMs to build safe, useful, and user-loved customer experiences.

EXPERIENCE

Lead Engineer

OpenMind AI

May 2024 - Present, Remote, Boston, MA

- Served as **principal engineering lead**, owning end-to-end architecture design, full-stack implementation of core AI systems, and establishing internal best practices for LLM-assisted development.
- **Led a team of 2-4 engineers** across web and mobile to ship a new product from prototype to launch, directing iterative user testing tied to multi-million-dollar research grant proposals (Wellcome Trust, STTR).
- **Collaborated daily with domain experts, Brown University researchers, and product leads** to translate research insights into safe, effective, and user-loved experiences.
- **Designed key UI/UX flows** across web and mobile, grounded in industry best practices; organized and evaluated A/B tests to reduce churn during key interactions by 30%.
- **Planned, implemented and shipped a mobile app in under 2 months** by using LLM-assisted coding best practices, reducing development costs by 60%.

Senior Full-Stack Developer / Tech Lead

Sharecare

October 2021 - May 2024, Remote

- **Led development and closed trial launch of a new app** on web, iOS, and Android, coordinating product, medical and engineering teams for successful delivery.
- **Led development for a mobile health feature** awarded at the 2024 Digital Health Awards; shipped to 100k+ users within three months.
- **Led development of end-to-end product features** in close collaboration with product and marketing, as a part of launching a CDC-approved Diabetes Prevention Program, reaching 100k+ users in 12 months.
- **Unified front-end repositories** into a scalable Nx monorepo, streamlining developer workflows and accelerating new app launches.
- **Partnered with clinical, behavioral, and UX experts** to deliver accessible, user-centered digital health interventions.

Senior Full-Stack Developer

cozycozy.com

August 2018 - October 2021, Remote, Budapest, Hungary

- **Built core front-end modules at launch**, delivering a high-performance platform used by 100k+ daily active users.
- **Improved and scaled the accommodation deduplication system** for a database of 10M+ listings, reducing deployment time by 80%.
- **Designed and launched a recommendation engine** that delivers personalized offers to users over different communication channels.
- **Enabled SEO internationalization for 25+ languages**, developing pipelines and CMS integrations that launched 10k+ SEO-optimized pages.
- **Developed a production data pipeline** with live monitoring and daily reporting, supporting analytics for 100k+ daily active users.

EDUCATION

BS, Mechatronics Engineering

Budapest University of Technology and Economics • 2012

- Built and trained neural networks from scratch; majored in biomechanics.

SKILLS

Languages & Frameworks: TypeScript, JavaScript, Python, React, React Native, Next.js, Node.js

AI & LLMs: LLM integration & prompt engineering, context engineering, conversational AI product design, AI-assisted development

Infrastructure & Data: Nx monorepos, CI/CD pipelines, data pipelines, monitoring & reporting, SEO at scale

Mobile: iOS & Android (React Native), cross-platform shipping

Product & Leadership: A/B testing, UX design, team leadership (2-4 engineers), stakeholder collaboration, agile delivery
