

Zsolt Boda

Senior Full-Stack Developer

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Education

- Computer Science Bsc** - University of Debrecen, Hungary 2019 – 2022
- Computer Science Msc** - University of Debrecen, Hungary & University of Paderborn, Germany 2022 – Now
- Data Science Msc** - University of Debrecen, Hungary & University of Paderborn, Germany 2023 – Now

Work experience

Ruby Labs (use.ai) **California, USA (remote)**
Senior Full-Stack Developer 2025/10 — 2026/01

- Delivered core features for an AI chat platform supporting 25+ model providers, built with Next.js and Vercel AI SDK, enabling rapid model switching and consistent user experience across providers
- Architected a high-throughput messaging system using Redis and PostgreSQL (Supabase), sustaining 10,000+ AI chat messages per second while maintaining low latency and data consistency
- Identified performance bottlenecks, error hotspots, and drop-off points using Mixpanel funnels and event tracking, leading to measurable improvements in conversion and feature adoption
- Increased conversion rates through GrowthBook-driven A/B testing, validating feature and UX changes with statistically significant results
- Implemented a CI-driven E2E testing pipeline using CircleCI and Playwright, automatically validating multiple environments and publishing test reports to Testomat, improving release confidence
- Evaluated and benchmarked AWS MRAP and Cloudflare R2 to determine optimal storage performance under production load, informing infrastructure decisions
- Scaled the platform globally using Flightcontrol, deploying Next.js servers, Redis instances, and background workers across 9 regions to reduce latency and handle regional traffic spikes
- Used Sentry logs, error tracking, and performance traces to diagnose and resolve critical runtime issues, resulting in improved stability and increased user retention
- Experimented with OpenRouter-based A/B testing to compare throughput and performance against Vercel AI SDK, guiding model routing and cost-performance tradeoffs
- Configured Vercel preview deployments for all feature branches, enabling isolated testing environments and faster feedback loops across product and engineering teams

Rubra ag **Zurich, Switzerland (remote)**
Senior Full-Stack Developer 2024/01 — Present

- Led development of a modern web app for saving, organizing, and sharing bookmarks with content scraping and collection features.
- Built a responsive Vue.js frontend, later adapted into a browser extension (Chrome, Firefox, Safari using Manifest V3 and background workers).
- Extended the same codebase to mobile using Capacitor.js, ensuring smooth touch support across Android and iOS.

- Built and maintained a Node.js web scraping worker using Puppeteer, Bright Data, and native social media APIs (LinkedIn, Instagram, Reddit, Twitter/X), designed with a plugin-based architecture and BullMQ for scalable job queue management.
- Designed and maintained backend APIs with Fastify.js, Redis, MongoDB, and Docker.
- Built and deployed containerized services with Docker, orchestrated on Kubernetes in OVH Cloud, using GitHub Actions workflows to ensure scalable, automated, and highly available deployments.

RH Code

Lead Full-Stack Developer

Budapest, Hungary

2023/01 — 2025/08

- Built internal tools and automation systems to accelerate architectural design workflows in collaboration with a partner architecture firm.
- Developed web-based 3D scene viewers and interactive experiences using React, Tailwind, Shadcn/UI, Three.js, @react-three/fiber, Drei.js, and Framer Motion.
- Wrote plugins and automation scripts with Python for Blender and Unreal Engine 5 to support design visualization and asset generation.
- Designed and maintained backend services in Python (FastAPI, Django) and TypeScript (Nest.js, Fastify), deployed on a private cloud with Zero Trust security and VPN access.
- Designed and maintained CI/CD pipelines in GitLab to build Docker images and deploy services to AWS (EKS, ECS) with Kubernetes, improving deployment reliability and scalability.
- Created and maintained N8N pipelines to automate internal operations and marketing tasks (e.g., video editing workflows and social media publishing).
- Occasionally involved in content production and tooling for the marketing team, including on-site shoots and workflow discovery.

Agoraparts

Lead Full-Stack Developer

Hungary – Dubai (remote)

2023/06 – 2025/01

- Spearheaded the development of an innovative auto parts shop and inventory system for retailers and buyers using the T3 stack (Next.js, TypeScript, Prisma, Tailwind, Node.js) along with PostgreSQL, Supabase, Vercel, and Stripe for full-stack functionality and payments integration.
- Designed and developed composable React components with Mantine UI, ensuring reusable, functional, and maintainable frontend code.
- Engineered a dynamic search functionality enabling buyers to efficiently locate auto parts by OEM, Brand, and car model, enhancing user experience and streamlining the procurement process.
- Integrated the TecAlliance Pegasus 3 API, providing users with crucial data on auto parts compatibility across different models, thus facilitating informed purchasing decisions.
- Automated frontend testing with Cypress, ensuring feature reliability and preventing regressions across the application.
- Designed and implemented a comprehensive inventory and fulfillment system for retailers, allowing for seamless synchronization of auto part stocks and inventories.
- Developed robust listing and communication features within the fulfillment system, empowering retailers to create new product listings, interact effectively with buyers, and maintain up-to-date order statuses.
- Focused on creating a responsive, user-friendly interface and ensuring the security and reliability of the platform, thereby enhancing customer satisfaction and operational efficiency.

Codeyard Kft.

Debrecen, Hungary

- Played a vital role as a versatile developer and architect in numerous projects at Codeyard, showcasing a unique blend of technical expertise.
- Organized engaging info day events, providing a platform for knowledge sharing and collaboration, bringing together teams to exchange ideas, showcase achievements, and inspire innovation across the organization.

Xeropan Language Learning Platform:

- Developed new logical components and lesson types using Vue.js.
- Played a vital role in various aspects of the Xeropan platform, including the landing page, web application, and classroom interface.
- Successfully integrated speech recognition capabilities, unlocking hands-free interaction for users, enriching the user experience and opening up new possibilities for interaction.
- Designed and integrated a robust single sign-on (SSO) mechanism, simplifying user authentication and enhancing security by streamlining access control across multiple platforms.
- Implemented efficient keyboard navigation functionalities, empowering users to navigate through the application using keyboard inputs, promoting accessibility and providing an alternative navigation method.
- Maintained regular communication with clients to ensure project alignment.

Blockben and Benker Crypto Wallet System:

- Played a vital role in the successful development and realization of the groundbreaking Blockben 1.0 platform, leveraging cutting-edge technologies and innovative methodologies to create a state-of-the-art crypto exchange platform.
- Utilized TypeScript, React.js, and Next.js extensively in the development process.
- Forged strong collaborations with DevOps and marketing teams, cultivating an in-depth understanding of AWS, GitLab, CI/CD, and Metabase systems, becoming a versatile and proficient practitioner in the realms of cloud infrastructure, version control, continuous integration and continuous deployment, and data visualization.
- Successfully implemented KYB and KYC workflows to reach GDPR compliance.
- Successfully implemented a dynamic UI rendering mechanism, leveraging the UI Descriptor to transform configurations into visually stunning and interactive screens, enhancing user experiences with unprecedented ease.
- As a versatile developer adept in responsive emails, landing pages, and private npm package management, played an instrumental role in enhancing brand visibility, customer engagement, and development efficiency.

Transped, Vectura, Trucking Mobile App Backend:

- Implemented an offline-first sync system for Android clients using React Native, enabling local data persistence with background sync to the server when network is available.
- Ensured consistent and reliable data delivery across sessions and connectivity changes, handling conflict resolution and state reconciliation seamlessly.
- Leveraged the robust capabilities of Moleculer.js to craft a cutting-edge microservices architecture, streamlining communication and facilitating seamless integration between components.
- Designed and developed data models tailored to specific application needs, leveraging MongoDB's schema-less nature to adapt to evolving requirements with ease and agility.
- Proficiently managed a wide array of critical backend functionalities, orchestrating seamless email sending, user authentication, and the efficient tracking of truck and shipment statuses, alongside handling relevant messages and uploaded files.

- Continuously innovated and iterated upon the event-driven architecture, staying at the forefront of technology advancements to deliver a forward-looking solution capable of meeting future challenges and opportunities.
- Continuously expanded my Docker expertise, staying abreast of the latest advancements in container technologies.

Internal Training and Info Days:

- Conducted technology-focused training sessions for the web team, covering React.js ecosystem.
- Created comprehensive materials in the form of mini-projects and videos for future reference.
- Topics covered in the training included React.js, TypeScript, Redux-toolkit, storybook, styled-components, and Next.js.
- Presented various web development topics during info day sessions, such as Structured Data Markup, Open Graph protocol, and SEO keyword research.

Straxus Kft.

Frontend Developer

Budapest, Hungary

2020/11 – 2021/05

- Maintained and further developed e-commerce storefronts for several renowned fashion designer companies, including Nanushka.com and Aeron.com.
- Collaborated with cross-functional teams to identify and resolve software bugs, reducing the number of reported issues by 30% within the first month of launch.
- Developed storefronts using Typescript and Next.js within the company's ecosystem.
- Placed a strong emphasis on writing clean code, well-structured tests, and optimizing search engine performance.
- Demonstrated a profound expertise in Next.js, harnessing its capabilities to craft sophisticated web applications that deliver a seamless and immersive user experience
- Leveraged the power of AWS to optimize the development process, employing cloud-based solutions to enhance scalability, performance, and security, while adhering to industry best practices.

Notable Achievements:

- Successfully maintained and improved the e-commerce storefronts for prestigious fashion designer companies.
- Implemented clean code practices and robust tests to ensure high-quality deliverables.
- Achieved optimization goals for search engine performance to enhance user experience.
- Gained in-depth knowledge of Next.js and AWS, utilizing their features effectively.

Technologies and Tools Used:

React, Typescript, AWS S3, Adobe XD, Zeplin, Custom-built CMS, Redux, Immer.js, lodash, Jest.js, Project management tools: Jira, Bitbucket, CI/CD pipelines: Bitbucket CI/CD, Cross-browser testing: LambdaTest, Browserstack

Freelance

Full-Stack Developer

Debrecen, Hungary

2020/04 – 2020/11

- Operated as a Freelance Entrepreneur, specializing in the enhancement and maintenance of existing and refurbishing websites.
- Utilized HTML, CSS, and JavaScript, React.js and AMP HTML to optimize website loading speed by an average of 40%, leading to improved user experience and a 15% increase in conversion rates.
- Developed static websites with Next.js and React (SSG) and deployed them to AWS S3 for scalable static hosting.

- Implemented SEO best practices with structured data and rich queries; integrated Google Search Console and Business Profiles to improve online visibility for business owners.
- Primarily focused on developing and maintaining WordPress-based websites as per the preferences of clients, gaining expertise in this domain along with plugin creation.
- Acquired extensive knowledge of SEO during this period, dedicating significant time to keyword research and utilizing various SEO tools.
- Conducted comprehensive keyword research using industry-leading SEO tools to optimize website content, resulting in a 30% increase in organic search traffic.

Notable Contributions:

- Successfully improved and maintained multiple websites for clients, enhancing their online presence and functionality.
- Developed custom plugins to meet specific client requirements, providing tailored solutions.
- Developed proficiency in WordPress development, ensuring seamless website performance and user experience.
- Gained significant expertise in SEO, applying advanced keyword research techniques and leveraging various SEO tools.

Skills and Expertise:

WordPress Development and Customization, Plugin Development, SEO Techniques and Keyword Research, Website Enhancement and Maintenance, React and Next.js, AWS S3, AMT HTML

KoncertBooking.com

Full-Stack Developer

Budapest, Hungary

2019/09 – 2020/04

- Developed the precise design using the Vue.js framework and implemented all the business logic in Vuex.
- Responsibilities included creating designs in Figma, exploring user experience (UX), and presenting solutions to clients.
- As a Full-Stack Developer, actively participated in the project from its inception.
- Handled the backend development, creating the API with Laravel 6 PHP framework.
- Utilized technologies such as Vue.js, PHP, Laravel 6, Linux server, MySQL, Zoho, and Figma throughout the project.
- Conducted thorough user experience research and implemented UX best practices, leading to a 20% decrease in bounce rate and a 15% increase in conversion rates.
- Created and maintained secure authentication protocols for user data within the API, ensuring a 0% breach of sensitive information.

Notable Contributions:

- Played a key role in the project's full lifecycle, from design to implementation and client presentation.
- Successfully implemented the design using Vue.js, ensuring a seamless user experience.
- Developed robust backend functionality with Laravel 6 PHP framework to support the frontend.

Technologies and Tools Used:

Vue.js, PHP, Laravel 6, Linux server, MySQL, Zoho (Project Management), Figma (Design)