

Ákos Puteáni-Holl

Senior Software Engineer | Full-stack | Mobile | AI

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PROFESSIONAL SUMMARY

Open and collaborative software engineer with 5+ years of experience building and operating web, backend and mobile products. Creative problem solver who turns unclear requirements into simple, maintainable solutions. Uses AI-assisted development to move quickly while keeping engineering judgment, testing and production quality high.

TECHNICAL SKILLS

Frontend: React, Next.js, TypeScript, JavaScript, Vite, Tailwind CSS, TanStack Query, Web Components, microfrontends

Backend: Node.js, Koa, NestJS, Go, PostgreSQL, Prisma, REST, OpenAPI, GraphQL

Mobile and AI: React Native, Expo, iOS, Android, OpenAI, Whisper, LLM integration, RAG, prompt and context engineering, Claude, Cursor, Codex

Platform and quality: Docker, Nginx, GitHub Actions, GitLab CI/CD, self-hosted runners, container registries, Cypress, Playwright, Jest, integration and end-to-end testing

PROFESSIONAL EXPERIENCE

Senior Software Developer | AOE Group | 2024 - Present

- Build and maintain four React and TypeScript frontends for a home assistance platform, supported by a shared component library and Node.js and Koa services.
- Support a Go synchronization microservice that moves data from an outbound service into the platform.
- Manage Docker hosting, Nginx, deployment pipelines, a self-hosted GitHub Actions runner and a private container registry; started a migration toward a cloud-ready 12-factor architecture.
- Built microfrontends and Web Components for a logistics workspace, including a Tailwind CSS design system and GitLab validation and deployment pipeline.
- Clarify requirements directly with clients, translate them into clear work for the team and contribute to future development proposals.

Software Developer | Finnoconsult | 2022 - 2024

- Built scalable React functionality and interactive data visualizations for a banking analytics platform.
- Delivered a React Native version of the product for iOS and Android.
- Contributed to Go backend services and integrated multilingual Strapi content through GraphQL.
- Developed a retrieval-augmented generation chatbot with OpenAI and large language models.

Software Developer - Research Collaboration | IIASA | 2021 - 2022

- Contributed software engineering in an international research collaboration at the International Institute for Applied Systems Analysis.

Freelance Software Developer | Self-employed | 2018 - 2021

- Designed and delivered full-stack web and mobile products from requirements through production operations.
- Built the Padel Sopron platform independently, covering booking, payments, invoicing, administration, player rankings and deployment.

SELECTED PRODUCTS

Nativo | Creator / Full-stack Software Engineer | <https://usenativo.com/>

- Built a language-learning product that stores voice recordings, transcribes them with Whisper and generates personalized lessons with OpenAI models.
- Implemented Supabase user management, Stripe subscriptions, Számlázz.hu invoicing, lesson history and progress tracking.
- Created the React Native app and shipped it to the Apple App Store; own product design, engineering, deployment and operations.

Padel Booking Platform | Creator / Full-stack Software Engineer | <https://padeisopron.eu/>

- Built the React and TypeScript frontend and Node.js and NestJS backend independently.
- Implemented court booking, custom authentication, user management, admin and statistics dashboards, player rankings and match-result recording.
- Integrated Stripe, Számlázz.hu and transactional email; containerized the services and automated deployment with GitHub Actions.

EDUCATION AND LANGUAGES

BSc in Computer Science | University of Sopron | 2018 - 2022

Hungarian: Native | English: Professional working proficiency