Robin Jarůšek

jarusek.dev
plantiful.cz
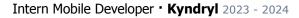**robinjarusek@gmail.com**
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Relevant Experience

AI Software Engineer · **Apertia tech** Oct 2024 - Present

- Design, build, and deploy agentic AI solutions including chatbots, browser automation tools, business process automation, data analysis systems, and translation models for a wide range of clients. Work in Python alongside cutting-edge open source technologies such as LangChain, AutoGen, and more.

- Work closely with clients to understand their needs in a team with other engineers to bring creative ideas to life at an agile work pace.

Intern Mobile Developer · **Kyndryl** 2023 - 2024

- Developed **Plantiful**, a plant-care app designed to help users manage and care for their plants. We handled the entire development process, from planning and design to implementation and testing, while balancing work, resources, and preparation for other student competitions.

- The app includes features such as plant identification, watering reminders, and care tips. We completed the project on schedule and open-sourced it. It was a great opportunity to show that we can work as a team, manage time efficiently, and deliver a fully functional product.

Projects

Plantiful · website, source code, research paper

A cross-platform mobile app written in React Native designed to help users take care of their plants utilizing AI, image recognition and algorithmization. We won Redhat Summer Camp, Kyndryl Challenge in 2022. Won Best Business Pitch and placed second in Best STEM Project category at JA Expo in 2023. Placed third at FEKT EEICT in 2024.

Ombra

A full-stack admin panel for a small game development company to manage products and subscriptions, built with React, Tailwind CSS, shadcn/ui, and Flask with SQLAlchemy.

Hyprfolio · website, source code

An interactive portfolio website that simulates an Arch Linux environment with the Hyprland window manager written in pure JavaScript with no external dependencies or frameworks.

Sentinel · server, client

Sentinel is a privacy and security-focused messaging application, which features end-to-end encryption and utilizes WebSockets, the Drogon HTTP web framework, and an SQL database to provide a secure and efficient communication platform. We open-sourced it after completing the text-based user interface and proof of concept.

Skills

Programming languages

Python, Javascript, Typescript, C++

Libraries & Frameworks

LangChain, LangGraph, React, Next.js, React Native, Tailwind CSS, Cmake, Framer Motion, MySQL

Tools & Platforms

Git, Docker, Firebase, Linux, Vercel, Figma

Education

2024 - Present

VUT FIT, Brno - Bc. degree

2020 - 2024

SPŠ Purkyňova, Brno - IT

Languages

- **Czech** (native speaker)

- **English** (C1)

- **German** (A2)

Interests

Machine Learning, AI, Football, Gym, Linux, Chess, Motorsport and trying out new things, especially in tech