FULL-STACK DEVELOPER · LECTURER

Katarzyna Dadek

contact@anavrel.com anavrel.com linkedin.com/in/kdadek
github.com/Lervana Zielona Góra, Poland



Profile

I have been programming professionally since 2014 and running my own company, Lervana, since 2016. I specialise in web applications: Node.js and NestJS on the backend, React on the frontend.

I take a project through its whole lifecycle, from requirements and Figma mockups, through architecture and implementation, to deployment. I often combine development with leading a team, designing the interface and mentoring.

Since 2020 I have been teaching programming, UX/UI design and project management at universities in Poznań and Głogów, in Polish and in English.

Experience

2016 – present
Full-Stack Developer · Lervana Katarzyna Dadek
My own company. Frontend and backend applications for clients, the full cycle from requirements to deployment, leading teams.

2020 – present
Lecturer · Collegium Da Vinci, Poznań
Programming in JS and TS, basics in C# and C++, design in Figma, project management.

2025 – present
Lecturer, Teaching Assistant · PANS in Głogów
State University of Applied Sciences: computer science classes.

2022 – 2026
Lecturer · WSB Merito University, Poznań
Internet technologies, UX/UI and mobile applications, also in English.

2024
Teacher · CKZiU in Zbąszynek
Computer science at a technical secondary school: databases.

2022 – 2023
Teacher · TEB Edukacja, Poznań
Computer science courses with elements of mathematics.

2015 – 2016
Backend Developer · MetaPack Poland
An internal tool in a microservices architecture (Node.js).

2014 – 2015
Backend Developer · GaMP
A dedicated application in C#.

Skills

Core

`JavaScript` `TypeScript` `Node.js` `NestJS` `Express` `React`

Frontend

`HTML` `CSS` `SASS` `Tailwind` `AntD` `MUI` `Redux` `Storybook` `Vite`

Backend and data

`REST API` `Swagger` `MongoDB` `PostgreSQL` `MySQL` `Redis` `Prisma`

Testing and deployment

`Jest` `Playwright` `Cypress` `Docker` `GitHub Actions`

Design

`Figma` `UI/UX` `requirements workshops` `documentation`

Education

2022 – 2024
MSc Eng, Computer Science
University of Zielona Góra

2018 – 2020
Master's, Creative Management (UX design)
Collegium Da Vinci, Poznań · with distinction

2011 – 2015
BEng, Computer Science
University of Zielona Góra

Languages: Polish, English in daily work, Japanese still learning :)

Selected projects

CLIENT PROJECTS

Client projects are under non-disclosure agreements, so they are described by industry and role.

RPG gaming platform

Industry: games. 24 months · team lead, full-stack developer, UI designer, DevOps. Architecture, frontend and backend from scratch, mockups, deployments.

`TypeScript` `React` `NestJS` `PostgreSQL` `Ant Design` `Figma`

Internal company tools

Industry: travel tech. 20 months · senior full-stack developer, UI designer, trainer. Requirements gathering, architecture, prototypes and final applications, team training.

`TypeScript` `React` `NestJS` `Mongo` `Docker`

Product sales platform

Industry: construction and real estate. 18 months · lead developer, full-stack. Application development, code quality and interface, support for the graphics team.

`TypeScript` `React` `SASS` `Redux` `Java`

Language school app

Industry: education. 12 months · full-stack developer. New features, maintenance and technology audits.

`TypeScript` `React` `Material UI` `PostgreSQL` `GraphQL`

Management and statistics panel

Industry: transport and energy. 12 months · lead frontend developer. Panels, data visualisations, a shared component library.

`React` `MobX` `Node.js` `PostgreSQL` `Redis`

Secure messenger

Industry: communications. 7 months · backend developer. The server side of the application.

`NestJS` `TypeScript` `PostgreSQL` `Redis` `AWS`

MY OWN APPS

Frontiso

An app for creating illustrations that keep their style and characters consistent. A desktop app with its own local server: data and images stay on the user's disk.

`React` `TypeScript` `Vite` `Electron` `Hono`

English Songs

A platform of songs that teach children English, with a parent account and a panel for the team. Videos are streamed.

`React` `Vite` `NestJS` `TypeScript` `PostgreSQL`

MintBed

An app for running your own garden: plan, plants, notes, reminders.

`React` `Vite` `NestJS` `TypeScript` `PostgreSQL`

Crisis simulator

A comparison of real-time algorithms that assign people to shelters, from heuristics to linear programming, with city maps.

`TypeScript` `React` `NestJS` `Mongo` `Leaflet`

Publications

2021

Wood and wood-based products as an all-purpose commodity in conditions of economic uncertainty

Conference paper, co-authored · WoodEMA 2021

2019

Publish or perish? Dylematy ewaluacji polskich czasopism naukowych w dyscyplinie leśnictwo

Article in Polish, co-authored · Przegląd Leśniczy 10/2019

2019

Programowanie rozwoju nauk leśnych w Polsce według nowego indeksu czasopism naukowych

Article in Polish, co-authored · Przegląd Leśniczy 6/2019