

ANNA BALA

FULL-STACK DEVELOPER

 <https://aniakoduje.com>

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 github.com/Anna-Bala

PROFILE

I am a Full-Stack Developer with 4.5 years of commercial experience in building web applications, primarily focusing on React. Driven by a lifelong passion for technology, I focus on delivering thoughtful, high-quality solutions. In my work, I successfully balance a fast-paced environment with a strong commitment to quality. I enjoy solving complex problems and collaborating effectively in teams. I am dedicated to ensuring that my solutions are stable, scalable, and maintainable.

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 663 406 693

 Wrocław, Poland

LANGUAGES

 **English**
C1

 **Polish**
Mother Tongue

EDUCATION

Engineer in Computer Science

October 2021 – March 2025
DSW Ideis University in Krakow
(formerly: College of Economics and Computer Science)

HOBBIES

 Collecting & Reading Comics

 Cycling

 Game Development

SKILLS

 TypeScript

 React

 NEXT JS

 Astro

 Node.js

 Express.js

 GraphQL

 RESTful API

 Prisma

 Zod

 Git & GitHub

 React Hook Form

 Formik

 Shadcn

 Tailwind CSS

 Sass

 Material UI

 Bootstrap

 Vitest

 React Testing Library

 Playwright

 Cypress

 Vite.js

 Webpack

EXPERIENCE

Selleo – Frontend Developer

Nov. 2021 – PRESENT

Developing and maintaining complex web and mobile application ecosystems for international clients, actively co-creating code architecture, and driving design decisions.

Responsibilities and achievements:

- Application development:** Implement solutions from scratch, deliver new features, and scale as well as maintain existing systems across edtech, AI, crypto, marketing, and entertainment projects.
- Architecture and data management:** Build advanced interfaces, handle backend integrations, and manage complex forms and dynamic data views.
- Cross-functional collaboration:** Work closely on a daily basis with fellow developers, designers, the QA team, and directly with clients' CTOs.
- Code quality and stability:** Ensure the scalability of production-ready applications by performing refactoring, troubleshooting complex bugs, and deploying changes without system destabilization.
- Standards and mentoring:** Actively support the team through regular code reviews and led the successful onboarding of two new developers.

MY PROJECTS

Gym Tracker – Full-Stack Fitness Application

A Progressive Web App (PWA) for workout planning and progress tracking. It features AI-driven personalized training plans and a seamless, multi-step user onboarding experience.

- Architecture & Scalability:** Designed and implemented a monorepo architecture with a Node.js/Express backend, a React frontend, and a shared validation layer (Zod), ensuring data consistency across the entire project.
- AI & External Integrations:** Integrated OpenAI API for dynamic training plan generation with structured response validation. Implemented an external exercise list API integration with a Redis caching layer to minimize latency and improve system reliability.
- Authentication & Security:** Built a robust authentication system featuring Google OAuth and secure JWT management with refresh token rotation.
- Testing & Quality Assurance:** Engineered a comprehensive suite of backend and frontend tests, including Unit, Integration, and E2E, ensuring application stability and maintainability.

React

Node.js

Express

TypeScript

Prisma

MySQL

Redis

Tailwind CSS

shadcn/ui

LIVE

<https://www.trackgym.app>

GitHub

<https://github.com/Anna-Bala/Gym-Tracker-PWA>

Project Details

<https://aniakoduje.com/projects/gym-tracker>

Skillbridge – Full-Stack E-Learning Platform

A comprehensive e-learning platform built as a full-stack application, managing the entire user lifecycle - from secure authentication to interactive course catalog navigation.

- Backend & Architecture:** Engineered a robust relational database (PostgreSQL) with complex nested structures (courses -> sections -> lessons). Implemented RESTful API endpoints with strict data validation using Zod.
- Security:** Implemented an authentication system based on NextAuth.js and JWT, ensuring stateless session management and secure data handling.
- UX & Performance:** Enhanced interface fluidity through Server-Side Rendering (SSR). Delivered high performance, fast page loads, and pixel-perfect implementation based on Figma designs.

Next.js

TypeScript

PostgreSQL

Tailwind CSS

Zod

NextAuth.js

LIVE

<https://skillbridge-anna-bala-projects.vercel.app/>

GitHub

<https://github.com/Anna-Bala/Online-Course-App>

Project Details

<https://aniakoduje.com/projects/skillbridge>

Figma

<https://www.figma.com/community/file/1302328770970984511>