

Arda Karadavut

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🗣️ **Languages:** German (Native), English (C1), Turkish (Native)

Summary — 3rd-year Web Development Student with growing experience in full-stack development. Currently building skills through academic projects and self-directed learning. Eager to learn and contribute to real-world projects.

Relevant Skills

Languages TypeScript/JavaScript (advanced), PHP (intermediate), Rust (beginner)

DevOps GitHub, Vercel, Docker

Tools Git, SQL, Bruno

Frameworks Next.js (advanced), React (advanced), Laravel (intermediate), Express (beginner), NestJS (beginner)

Education

Bachelor of Science (BSc) in Web Design & Development

Mar 2025 – Present

University of Hertfordshire

- Currently working on developing a CLI converter tool using **Rust**.

Diploma in Web Design & Development

Mar 2023 – Mar 2025

SAE Institute Zurich

Projects

Todo Stream

- Built full-stack task management app with **Laravel REST API** and **Next.js** frontend, enabling real-time task collaboration for multiple users.
- Implemented secure authentication using **Laravel Sanctum** with **JWT tokens**, protected routes middleware, and user profile management.
- Implemented CRUD operations with multi-user sharing via many-to-many database relationships, tag-based categorization, status tracking, and due date management with overdue detection.
- Created responsive UI with **Tailwind CSS**, React Context state management, real-time search and filtering, dark/light mode, and form validation using **React Hook Form** with Zod schemas.
- Integrated **Shadcn/ui** components, toast notifications for UX feedback, and **NextAuth.js** for seamless authentication flow.

PitStopPress - Formula 1 News CMS

- Developed a comprehensive Formula 1 news platform using **PHP** and **JavaScript**, combining both CMS and public-facing website.
- Implemented MVC architecture with user authentication system and secure admin dashboard.
- Built content management features including **CRUD** operations for articles and image upload functionality.

Growmigo - Children's Educational Game Website (growmigo.ch)

- A Games website for educational plant-themed game in collaboration with other students.
- Created engaging, child-friendly interface with responsive design using **Next.js** and **Tailwind CSS**.
- Built in lazy loading and optimized performance for quick loading times.

Finance Management REST API

- Built complete backend API with **NestJS/TypeScript** for financial tracking featuring 18 RESTful endpoints across auth, user, transaction, budget, and category modules
- Implemented security architecture with **JWT authentication**, **Argon2 password hashing**, route guards, and user ownership validation
- Designed database schema using **PostgreSQL/Prisma ORM** with relational models for transactions, budgets, categories, and users including cascade deletion
- Established comprehensive **E2E testing suite** with **Pactum**, **Docker containerization** for dev/test databases, and **class-validator** input validation