

Arda Karadavut

Software Engineer

☎ +41 76 511 81 64 — ✉ arda.karadavut@protonmail.com — 🔗 linkedin.com/in/arda-karadavut — 🐙 github.com/Arda450

🌐 ardak.ch — 8405 Winterthur, Zürich, CH

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

Summary

3rd-year Web Development Student with growing experience in software engineering and 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, PHP, Rust, WebAssembly, Python	Tools SQL, Bruno, Microsoft Word, Typst
DevOps Git, GitHub, Vercel, Docker	Design Figma, Adobe InDesign
	Frameworks Next.js, React, Laravel, Express, NestJS, Tauri

Projects

FrameTracker - Productivity Desktop App

- Built a modular Windows desktop app with **Tauri**, **Rust**, **TypeScript/React**, and **SQLite** for activity and productivity tracking.
- Implemented **Windows API** activity tracking, daily/weekly reports with charts, PDF and CSV export, server-side filtering, and a database seed tool for testing.

Data Converter

- Developed a high-performance CLI tool in **Rust** for bidirectional conversion between **JSON**, **YAML**, **TOML**, and **CSV** formats using **Serde** for serialization.
- Implemented modular architecture with **Clap** for CLI argument parsing and robust error handling, with **WebAssembly** version for browser-based conversion.
- Driven mainly by personal motivation and curiosity, this project was less about solving a major problem and more about exploring an innovative Rust-based approach to data conversion.

Todo Stream

- Addressed the lack of simple real-time collaboration for small teams by building a shared task workflow with secure multi-user access.
- 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, CRUD operations with multi-user sharing, and responsive UI with **Tailwind CSS** and **React Context**.

PitStopPress - Formula 1 News CMS

- Solved the problem of slow and inconsistent publishing by creating a centralized CMS for admins.
- Developed a comprehensive Formula 1 news platform using **PHP** and **JavaScript** with **MVC** architecture.
- Implemented user authentication system, secure admin dashboard, and content management features with CRUD operations for articles.

Growmigo - Children's Educational Game Website

- Tackled low-engagement learning content by designing an interactive and accessible web experience for children.
- Created engaging, child-friendly educational game website in collaboration with other students using **Next.js** and **Tailwind CSS**.

Finance Management REST API

- Solved fragmented personal finance tracking by delivering a structured backend for budgets, transactions, and categories.
- Built complete backend API with **NestJS/TypeScript** featuring 18 RESTful endpoints across auth, user, transaction, budget, and category modules.
- Implemented security architecture with **JWT authentication**, **Argon2** password hashing, and **PostgreSQL/Prisma ORM** with E2E testing suite.

Education

Bachelor of Science (BSc) in Web Development <i>University of Hertfordshire (SAE Institute Zurich)</i>	Mar 2025 – Present
Diploma in Web Development <i>University of Hertfordshire (SAE Institute Zurich)</i>	Mar 2023 – Mar 2025
Gymnasium Diploma <i>Turkey</i>	2014 – 2018

Work Experience

Internship <i>Enerhaus Web Services GmbH</i>	01.05.2026 – Present
Parcel Delivery Driver <i>Planzer Transport AG</i>	01.06.2022 – Present
Pizza Delivery Driver <i>Dieci</i>	23.07.2021 – 30.06.2022
Courier, Kitchen Assistant and Cashier <i>Burger King</i>	01.05.2021 – 30.06.2021
Forestry Operations Assistant <i>Arbeitsintegration Winterthur</i>	01.02.2021 – 28.02.2021