

Yahor Siarheyev

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Education

Klagenfurt, Österreich **Computer science (Angewandte Informatik)**
Alpen-Adria University

Projects

- 04/2025 – present **Business Transport Management Platform**
Full-stack web application built with Django and Vue 3.
- Built a **multi-step order form** with address inputs, image upload, and client-side validation using FormData.
 - Designed **GraphQL mutations** for nested creation of orders, addresses, and file attachments — improving data transfer efficiency.
 - Used **PostgreSQL** to store structured data: orders, addresses, and user feedback.
 - Integrated **OAuth 2.0 with OpenID Connect** for secure third-party authentication and session handling.
 - Set up **GraphQL multipart upload** flow for smooth backend integration and file transfer.
- 04/2025 – 04/2025 **CRUD App with Authentication**
<https://github.com/yahorpaulson/crudpythonbackend>
- Implemented a **fully custom user model** with manually managed password hashing (no use of django.contrib.auth).
 - Built a custom **JWT-based authentication system** using access and refresh token pairs.
 - Created a complete **CRUD API** for users and protected resources with role-based access control.
 - Secured endpoints with token validation, refresh flow, and token blacklisting on logout.
- 03/2025 – 04/2025 **Personal Full-Stack Portfolio Web App**
https://github.com/yahorpaulson/profile_website
- Built a **responsive SPA** using **Vue 3**, **Vite**, and **Tailwind CSS** for fast performance and clean UI.
 - Developed a custom **admin panel** with JWT-authentication to manage projects and user feedback.
 - Integrated **Node.js (Express)** backend with **MongoDB** for data storage and API endpoints.
 - Implemented **multi-language support** (EN, DE, BE) with dynamic switching and localized content.
 - Connected frontend and backend via REST API and deployed to **Vercel (frontend)** and **Fly.io** 🚀 **(backend)**.
 - Designed custom animated components and canvas-based background effects to enhance UX.
- The project is actively maintained and extended with new features.

12/2024 – 01/2025

Online Marketplace

<https://github.com/yahorpaulson/online-marketplace>

- Developed the full-stack retail module using **Angular**, **Node.js (Express)**, and **PostgreSQL**.
- Implemented **3 user roles** (buyer, seller, admin) with **JWT-based authentication** and route protection.
- Built a REST API with **10+ endpoints**, covering authentication, product CRUD, messaging, and categories.
- Designed **hierarchical product filtering** with up to 3 levels of nested categories.
- Created **15+ Angular components**, utilizing services and routing for dynamic state management.

Skills

Languages

Java, TypeScript, JavaScript, Python, Kotlin

Databases

PostgreSQL, MongoDB

Auth & Security

JWT, OAuth2.0, bcrypt/bcryptjs, role-based access control

Other

Scrum, Agile, self-hosted backend/frontend deployment, CI/CD basics

Web & Frameworks

Angular, Vue.js, React, Node.js (Express), REST API, GraphQL API, HTML, CSS, Spring Boot, Django

Tools & DevOps

Git, Docker, Vite, npm, Webpack, Fly.io

Testing / Debugging

Postman, browser dev tools, unit testing (basic)

Speaking languages

Belarusian, Russian, Ukrainian (fluent), German (B2), English (C1)