

# Yahor Siarheyeu

✉ yahorforall@gmail.com

☎ 068181694562

🔗 yahorpaulson.com

🔄 yahorpaulson

🌐 linkedin.com/in/yahor-siarheyeu

## Education

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

## Projects

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- 04/2025 – present    **Ataian Umzug - Business Transport Management Platform** [🔗](#)  
*ataian-umzug.at*
- 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.
  - Implemented modern authentication using **Google Identity Services with FedCM (Federated Credential Management)** for privacy-preserving federated login.
  - Implemented **transactional email notifications with Mailjet**: templated emails, variables, and locale-aware content.
  - Set up **SPF/DKIM** and domain authentication; monitored deliverability and bounces via **Mailjet webhooks**.
  - Developed an **admin dashboard** for managing customer reviews and transport orders.
- 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**  
*yahorpaulson.com*
- 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

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### Languages

Java, TypeScript, JavaScript, Python, Kotlin

### Databases

PostgreSQL, MongoDB

### Auth & Security

JWT, OAuth2.0, bcrypt/bcryptjs, role-based access control, GIS(FedCM)

### 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)