

# Vladyslav Zhuravel

## Full Stack Web Developer

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Full-stack developer with 5 years of experience building web applications in the education and e-commerce sectors. Specializing in Python, Django, React, Open edX, and cloud infrastructure [Kubernetes, AWS, CI/CD]. Passionate about automation, edtech, and AI-powered tooling. Currently based in Turkey.

## EXPERIENCE

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### Full-Stack Developer

2022 — Present

Raccoon Gang

Delivered 10+ education platforms for corporate and university clients worldwide. Built RAG pipelines, MCP servers, and AI-driven content tools as part of the AI Lab initiative. Participate in pre-sale and technical discovery — estimation, architecture decisions, and client communication. Tech: Python, Django, React, Open edX, PostgreSQL, Docker, Kubernetes.

### Full-Stack Developer

2021 — Present

Prozori Solutions

Focused on government and public sector education platforms — including a national LMS for public schools, a textbook approval system, an exam question bank, and an anti-corruption platform. Responsible for full-stack development, Odoo integrations, and multi-environment deployments serving government institutions across Ukraine.

### HVAC Automation & Electrical Engineer

2019 — 2021

Golden & Ko

Designed automation schematics, assembled electrical control panels, and commissioned controllers with sensor integration. This hands-on hardware automation experience became my gateway into software engineering — teaching me to think from the lowest level of abstraction up.

### Electrical Design Intern

2018 — 2019

Southern Railway Authority

Intern at a municipal utility company as part of my university studies, where I learned to design and draft electrical circuit schematics.

## EDUCATION

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### D.M. Beketov National University of Urban Economy in Kharkiv

Sep 2019 — Jan 2021

Master's Degree, Electrical Energetics, Electrical Engineering and Electromechanics

### D.M. Beketov National University of Urban Economy in Kharkiv

Sep 2016 — Sep 2019

Bachelor's Degree, Electrical and Electronics Engineering

### Kharkiv College of Transport Technologies

Aug 2012 — Jul 2016

Junior Specialist, Electrical and Electronics Engineering

### IT STEP Academy

Oct 2020 — Jun 2021

Python Developer, Computer Software Engineering

### IT STEP Academy

Oct 2020 — Jun 2021

Web Developer, Computer Software Engineering

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## PROJECTS

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### **MON USO — National Education Platform** NDA

Large - scale Ukrainian online education ecosystem for public schools, serving the Ministry of Education. Built on Open edX with multiple custom services and multi - environment architecture. I worked as a full - stack developer — building backend APIs, customizing the LMS, and maintaining deployment pipelines.

### **Starbucks Global Academy** starbucksglobalacademy.com

Customized corporate learning platform with regional microsites, advanced branding, mobile apps, gamification, analytics, and bespoke UX. I contributed to backend development and platform customization across multiple regional deployments.

### **AI Lab — AI Powered Tooling & Integrations** raccoongang.com

Internal R & D initiative where I build RAG pipelines, MCP servers for Claude, and AI - driven content generation — all inside Django / Open edX projects. Includes automation with Google Sheets, YouTrack, GitLab, and Atlassian APIs. Building internal AI products with a path toward commercial use.

### **Ukrainian Military Education Platform** NDA

A non - profit education platform for the Ukrainian military. I can't share further details — but this is the project I'm most proud of.

### **Community Housing Transformation Centre** chaalc.ca

Learning platform for Canada's community housing sector. Built on Open edX with custom portal features, multilingual support(EN / FR), mobile apps, and analytics integrations for content delivery and social learning.

### **Textbook Approval System** NDA

A specialized module for managing expert review and approval of school textbooks within the national education platform. Integrates the LMS with an Odoo - based workflow for administrators, publishers, and expert reviewers — covering user provisioning, textbook - course creation, expert group assignment, and status tracking.

### **NAZK — Anti - Corruption Platform** nazk.gov.ua

Anti - corruption platform for Ukraine's National Agency on Corruption Prevention — supporting asset declaration registers, whistleblower portals, political finance oversight, and public compliance databases across government institutions.

### **National Testing Platform — Question Bank** NDA

Odoo - based module that manages the full lifecycle of exam questions — from creation and expert review to standardized storage in a centralized question bank for the Ministry of Education of Ukraine.

### **King Khalid University — Mobile Learning Platform** www.kku.edu.sa/en

Mobile - first learning platform for King Khalid University's extension programs(Saudi Arabia). I developed the API layer, payment integrations with Google Play Console and Apple App Store Connect, and helped deliver an Open edX - based solution with a dedicated mobile app.

### **Copernicus College** www.copernicuscollege.pl

Poland's first free online education platform, built in collaboration between the Copernicus Center Foundation and Jagiellonian University. Delivers university - level courses and lectures from top Polish and international scholars.

### **5+ more International EdTech Projects**

Beyond the projects listed above, I've delivered Open edX - based education platforms for clients across Europe, Middle East, and North America — each with unique regional requirements, integrations, and scale challenges.

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## SKILLS

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### Backend

Python, Django, Django REST Framework, Django Ninja, FastAPI, Odoo, Celery, Redis, Pydantic, Asyncio, OAuth2/JWT, WebSockets, Boto3

### Frontend

JavaScript, TypeScript, React, Next.js, Tailwind CSS, HTML, CSS, SASS/SCSS, Vite, Accessibility [a11y], Performance Optimization

### DevOps & Cloud

Docker, Kubernetes, AWS [EC2, S3, RDS], Nginx, Linux, Bash, Helm, GitLab CI, GitHub Actions, Vercel, Sentry, Prometheus, Grafana

### Testing & Quality

Pytest, TDD, Unit Testing, Integration Testing, E2E Testing [Playwright, Cypress], Test Coverage

### Security

OWASP, OAuth2/JWT, Session Auth, XSS/CSRF Prevention, API Security, Dependency Scanning

### AI & LLM

LangChain, OpenAI API, RAG Pipelines, Qdrant, FastMCP, Model Context Protocol, Prompt Engineering, Vector Search, AI Content Generation

### Databases & Caching

PostgreSQL, MongoDB, Redis, Query Optimization, Database Design, N+1 Problem Solving

### Architecture & Patterns

REST API Design, Microservices, Event-driven, DDD, Clean Architecture, SOLID, Design Patterns

### AI Tooling

Claude Code, Cursor, GitHub Copilot, NotebookLM, Figma MCP

### Languages

English — B1, Ukrainian — Native, Russian — Native, Turkish — Elementary