

KYRYLO KIREIEV

I build Django services, Open edX plugins, Odoo add-ons, React and Datastar UIs, AI tooling

Python backends, and the interfaces on top of them, for EdTech and Ukrainian public-sector platforms. Open edX core contributor.

Python Django DRF PostgreSQL Open edX Tutor Odoo React Datastar HTMX Docker

✉ kirillkireev888@gmail.com GitHub ↗ LinkedIn ↗ Telegram ↗ Facebook ↗

LOCATION	TIME ZONE	ENGLISH	IN PRODUCTION	UPDATED
Dnipro, Ukraine	UTC+2/+3	B1	4 years	Oct 2026

6	127	494
pull requests merged into Open edX core	merge requests on a two-service exam platform, in 8 months	merged changes across 84 projects since 2023

WHERE I WORK

RACCOON GANG May 2023 – now

Software Engineer · Open edX vendor · 84 projects

2026

Exam platform

Odoo task bank + Django/Datastar exam service, linked by JWT

2025

Auth & organisation service

REST service built from scratch: sign-in, password reset, org hierarchy, background jobs

2023–25

Adaptive learning & XBlocks

Library-reuse tracking in Studio, progression rules, diagnostic-test and file-submission XBlocks

2025

Corporate access control

Program and course access through users, groups and email domains; CSV import

2024–26

Deployments & releases

Tutor plugins, stage and production releases, Sentry, SSO and SCIM

2025–26

AI tooling for Open edX

AI grader for open answers, course knowledge base (RAG), Studio content assistant

2024–25

Gamification

Leaderboard, badges, achievements and points for a learning platform

2023–25

Mobile API

Progress, enrolments, offline mode and push notifications for the Open edX apps; S3 storage

2024–26

Frontend & MFEs

Plugin slots in Studio editors, account MFE features, themes and template overrides

2023–26

Localisation

Ukrainian, Polish, Spanish, Portuguese and Canadian French across LMS, Studio and MFEs

YALANTIS Nov 2022 – May 2023

Python Developer

- US healthcare startup for kidney-disease patients: a social network for doctors and patients
- Team of 25, from development to launch

BEFORE CODE 2012 – 2020

Musician · journalist and TV presenter, Suspilne

EDUCATION 2006 – 2012

Engineer · Physics and Technology Faculty, Oles Honchar Dnipro National University

WHAT I BUILT

FROM SCRATCH Feb - Oct 2026

EXAM PLATFORM

Ukrainian public body · qualification exams · two services

- Exam sessions end to end: start, extra time, recovery, grading
- Task bank features in Odoo: review, archive, signing
- Much of the JWT integration between the two services

OPEN SOURCE 2023 - 2025

OPEN EDX CORE

openedx-platform · edx-enterprise · MFE components

- Mobile and blocks APIs used by the Open edX apps
- Dependency clean-up and a test migration from Enzyme to React Testing Library
- Open edX mobile API (2023): my code, merged upstream through a teammate's pull requests

PULL REQUESTS

#34848 ↗ #34859 ↗ #36969 ↗ #36970 ↗ #445 ↗ #2488 ↗ #2749 ↗

R&D Oct 2025 - Mar 2026

AI TOOLING FOR OPEN EDX

Raccoon Gang products · shipped as Open edX and Tutor plugins

- AI grader for open-response assessments (OpenAI, Gemini)
- Course knowledge base (RAG) and a microlearning XBlock on Qdrant
- Studio content assistant and an MCP connector to Open edX

LONG-RUNNING Sep 2023 - Dec 2025

ADAPTIVE LEARNING

Adaptive e-learning platform on Open edX · one client, 26 months

- Library-reuse tracking in Studio: where each component is used, sync, status
- Diagnostic-test XBlock and progression rules
- File-submission XBlock wired to a back office

BACKEND Dec 2024 - Jun 2025

GAMIFICATION

Gamified learning on Open edX · learner dashboard

- Event pipeline: Open edX → Celery → gamification service
- Badges, achievements, points and charts
- Leaderboard tab and avatar sets API

WHAT I USE

BACKEND	Python	Django	DRF	Celery	Procrastinate	JWT · OAuth2 · SSO	Pydantic
FRONTEND	React	Datastar	HTMX	Django templates		JavaScript	SCSS
	React Testing Library						
PLATFORMS	Open edX	XBlocks	Tutor	Odoo 18			
DATA	PostgreSQL	MySQL	Redis	Elasticsearch	S3 · MinIO		Qdrant
AI	OpenAI · Gemini		RAG	MCP	Claude Code		
DELIVERY	Docker	GitLab CI	pytest	Sentry			