

Piotr Kruszynski

JUNIOR PYTHON DEVELOPER

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"Future is coded."

Education

Coders Lab

JAVASCRIPT, REACT, REDUX BOOTCAMP

Warsaw, Poland

2025

- Comprehensive training in JavaScript, React, Redux, and front-end development fundamentals.

Coders Lab

PYTHON DEVELOPER BOOTCAMP

Warsaw, Poland

2025

- Focused on Python, Django, REST API design, and backend architecture.

Warsaw University of Technology

M.SC. IN CIVIL ENGINEERING – STRUCTURAL ENGINEERING SPECIALIZATION

Warsaw, Poland

2011 – 2013

- Master's studies in building and structural engineering, focusing on materials and load analysis.

Warsaw University of Technology

B.ENG. IN CIVIL ENGINEERING

Warsaw, Poland

2009 – 2011

- Undergraduate program in civil engineering covering structural design and construction technology.

Skills

Programming Python, JavaScript, pytest

Frameworks Django, FastAPI, React, Redux

Databases SQLite, PostgreSQL

DevOps / Tools Docker, Git

Languages English B2

Experience

Shift Management System for Hospital

Warsaw, Poland

PYTHON DEVELOPER (COLLABORATIVE PROJECT)

2025

- Built core scheduling engine in Django 5.x with PostgreSQL 17, covering models, rules, and validations. Integrated FullCalendar with async REST updates, React-based UI components, comprehensive pytest-django tests, and Dockerized dev environment.

Unilab Research Center

Warsaw, Poland

FOUNDER & TECHNICAL LEAD

Sep. 2021 – Present

- Responsible for laboratory operations, testing procedures, team management, R&D EU-funded projects, and designing large-scale product systems for manufacturers, currently exceeding 100,000 units sold.

Unilab Research Center

Warsaw, Poland

MANAGING PARTNER & LABORATORY DIRECTOR

May 2018 – Sep. 2022

- Co-managed laboratory development, optimized workflows and documentation systems, supervised staff, and developed statistical methods and accuracy assessments for testing, applying strong analytical and cross-disciplinary problem-solving skills.

ADEX Systems Inc.

Warsaw, Poland

PROJECT MANAGER

Sep. 2014 – Dec. 2019

- Managed E2E coordination of construction projects, optimizing documentation workflows, resolving constraints across disciplines, and driving process improvements with measurable impact.

Projects / Portfolio

Shift Management System for Hospital

DJANGO, REACT, POSTGRESQL, DOCKER, FULLCALENDAR

- Full-stack scheduling app for hospital shifts with role-based access, React calendar UI and REST API.
- Dockerized Django backend with React + FullCalendar front-end and async updates via AJAX/Fetch.

Collaborative project

2025

TODO AI & Reusable Python Template

DJANGO, PYTHON (FUNCTIONAL), PYTEST, MYPY, RUFF, SPHINX, GITHUB ACTIONS

- Functional-style Django ToDo app with AI assistant, developed using TDD.
- Reusable Python project template: pytest+tox, mypy, Sphinx docs, Ruff, pre-commit, CI (GitHub Actions) and static analysis (SonarQube/Qodana).
- GitHub: KruszONit/todo_ai

Internal tools / Personal project

2025

Lab Info Management System

DJANGO, PYTEST

- Prototype of a Laboratory Information Management System automating sample registration and report generation.
- API design, schema validation and unit-test coverage with pytest.
- GitHub: PiotrKruszynski/LIMS4U

Backend prototype

2025

LaboratoriumBudowlane.pl

WEB DEVELOPMENT COLLABORATION

- Collaborated on the company website www.laboratoriumbudowlane.pl, supporting content structure, technical requirements and QA of deployed features.

Website project

2025

I agree to the processing of personal data provided in this document for realising the recruitment process pursuant to the Personal Data Protection Act of 10 May 2018 (Journal of Laws 2018, item 1000) and in agreement with Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 on the protection of natural persons with regard to the processing of personal data and on the free movement of such data, and repealing Directive 95/46/EC (General Data Protection Regulation)