

Piotr Kruszyński

JUNIOR PYTHON DEVELOPER

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“Future is coded.”

Education

Coders Lab

JAVASCRIPT, REACT, REDUX BOOTCAMP

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

Warsaw, Poland

2025

Coders Lab

PYTHON DEVELOPER BOOTCAMP

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

Warsaw, Poland

2025

Warsaw University of Technology

M.Sc. IN CIVIL ENGINEERING – STRUCTURAL ENGINEERING SPECIALIZATION

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

Warsaw, Poland

2011 – 2013

Warsaw University of Technology

B.ENG. IN CIVIL ENGINEERING

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

Warsaw, Poland

2009 – 2011

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

PYTHON DEVELOPER (COLLABORATIVE PROJECT)

- 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.

Warsaw, Poland

2025

Unilab Research Center

FOUNDER & TECHNICAL LEAD

- 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.

Warsaw, Poland

Sep. 2021 – Present

Unilab Research Center

MANAGING PARTNER & LABORATORY DIRECTOR

- 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.

Warsaw, Poland

May 2018 – Sep. 2022

ADEX Systems Inc.

PROJECT MANAGER

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

Warsaw, Poland

Sep. 2014 – Dec. 2019

Projects / Portfolio

Shift Management System for Hospital

Collaborative project

DJANGO, REACT, POSTGRESQL, DOCKER, FULLCALENDAR

2025

- 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.

TODO AI & Reusable Python Template

Internal tools / Personal project

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

2025

- 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](#)

Lab Info Management System

Backend prototype

DJANGO, PYTEST

2025

- 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](#)

LaboratoriumBudowlane.pl

Website project

WEB DEVELOPMENT COLLABORATION

2025

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

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)