

Szymon Kluska

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SUMMARY

Software engineer (M.Sc., B.Eng.) focused on **fullstack backends** and internal tools. Ships production Django/API work at Nokia and owns end-to-end web projects in **Python** and modern JS frameworks.

EXPERIENCE

Fullstack Python Engineer – Nokia Solutions and Networks

02/2025–Present

Wroclaw

- Own and maintain the hardware-test configuration area of an internal multi-tool web app used by testers and developers (**Django**, **Alpine.js**, **PostgreSQL**, **Docker**, Jenkins, GitLab)
 - Redesigned setup into a guided, step-by-step flow with backend-powered real-time validation and graph keybindings, cutting configuration mistakes and reducing mouse-heavy navigation
 - Migrated a legacy Angular.js tool to **Alpine.js** end-to-end (security + maintainability); shipped to production and fully retired the old version. Also added validation caching, request-driven APIs, and stricter REST input validation to block bad client data
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TECHNICAL PROJECTS

Mountain Urban Game – GitHub

Fullstack Web Application

Owned **fullstack** delivery of a QR-based urban game (peak collection, comments, OAuth2). Stack: **Nuxt 3/Vue**, **FastAPI**, **PostgreSQL**.

Hacknation 2025 – GitHub

City Tourism Platform (Hackathon)

Owned the **backend** and integrations for a tourism platform (web + admin + mobile) in a 6-person hackathon team. Stack: **React**, Expo, Elysia.js, Drizzle ORM, **PostgreSQL**.

Chessblazer – GitHub

Chess Engine

UCI-compatible chess engine in **Swift** (bitboards, magic hashing), verified with **perft**. Deployed on **Lichess** at 2100 bullet / 2000 blitz Elo.

SKILLS

Backend: Python, Django, FastAPI, Swift, Vapor, REST APIs, PostgreSQL, SQL

Frontend: JavaScript, Alpine.js, Nuxt/Vue, Svelte/SvelteKit, React

Tools: Docker, Git, Jenkins, GitLab

EDUCATION & CERTIFICATES

EDUCATION

Politechnika Wroclawska

M.Sc. Computer Engineering (Systems & Networks)

03/2025–09/2026

B.Eng. Computer Engineering (Systems & Networks)

09/2021–02/2025

Thesis: Comparative analysis of backend frameworks (FastAPI, Vapor, AdonisJS) with Docker/k6 benchmarking.

CERTIFICATES

Cisco CCNA (Intro, Switching/Routing, Enterprise)

EE.09 Web apps & databases

LANGUAGES

Polish – Native

English – C1

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