Wiktor Jeleń

Backend Engineer — TypeScript / Node.js, PostgreSQL, Python

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PythonMetaTrader5 — 44,000+ PyPI downloads — author of an open-source order-execution library for MetaTrader 5 (pypi.org/project/PythonMetaTrader5)

SUMMARY

Backend engineer (4+ years, since 2022) working in TypeScript, Node.js, NestJS, PostgreSQL and Python. I build integrations, workflow automation and LLM-backed services, held in place by automated tests (1,600+ across four production systems), CI/CD with automatic rollback and security gates. AI-native development daily — Claude Code, OpenAI Codex, Antigravity.

EXPERIENCE

Backend Engineer (contract) 09.2026 – 11.2026
B2B e-commerce automation (under NDA) *Poland, Remote*

- Extended a supplier-catalogue integration platform from 59 to 109 supplier integrations (73,000+ products): B2B panel scraping with Playwright, APIs, and LLM extraction of emailed offers (PDF, XLSX) behind human approval. Versioned publishing with SHA-256 checks and a guard against a >20% catalogue drop; 830 tests.
- Built from scratch in 8 days an RFQ automation service: LLM extraction to a strict JSON schema, supplier matching across 4 data sources, replies parsed from email text, XLSX or photos (OCR). Clean Architecture, TDD, 445 tests incl. 13 prompt-injection scenarios; OWASP ASVS L2 — 23 of 23 scenarios passed.
- Built from scratch in 5 days a marketing-content generator in production (TypeScript, Fastify, React, PostgreSQL), integrated with Shoper: template-composed images and video, Omnibus sale badges, LLM copy in 15 languages; ~390 tests.
- Took over a legacy PIM / dropshipping system (PHP / Laravel, Angular, MySQL, Redis, Docker): closed a critical vulnerability (unauthenticated endpoint issuing an admin token) and an API key leaking through error messages, fixed margin calculation, built 12 supplier integrations from zero (~1.34M offers) and set up CD with automatic rollback.

Lead Backend Developer 03.2026 – 08.2026
KonikSystems · KONIK *Remote*

- Led a team of two developers and the architecture of a multi-tenant automation platform: TypeScript/NestJS, Temporal.io, React.
- Designed tenant isolation with PostgreSQL row-level security, with isolation-leak tests enforced in CI; multi-stage GitHub Actions pipeline.
- Built the integration layer (Stripe, Google Ads/Analytics, Meta API, n8n) and a multi-provider LLM layer (Claude, OpenAI, Gemini, MCP) with an evaluation harness.

Backend Engineer 09.2025 – 02.2026
Randlab Software · Anatomy Project *Remote*

- Designed and deployed a NestJS 11 / MySQL backend for 450+ concurrent users of a Medical University of Silesia platform.
- University Active Directory (LDAP) authentication with JWT, OWASP Top 10 hardening, OpenAPI REST contract, Jest tests, GitHub Actions CI/CD.

R&D Systems Engineer 08.2024 – 08.2025
GEEETECH *Remote · Shenzhen R&D team*

- System integration and Klipper firmware optimization in Python, component redesign in Fusion 360; coordinated requirements between European stakeholders and the Shenzhen team.

Sales Systems & Automation Specialist 04.2023 – 07.2024
Randlab Software (Polsat Plus Group) *Remote*

- Automated client document generation in Python (docxtpl); configured sales offers for POS, telemarketing and mobile channels.

Backend & IoT Developer 09.2022 – 03.2023
Randlab Software *Nowy Sącz, Poland*

- Node.js backend for pipe impedance monitoring on ThingsBoard: hardware (C++) integration and AWS alerting.

SKILLS

Backend: TypeScript, Node.js, NestJS, Express, Fastify, Python, FastAPI, Django / DRF, SQLAlchemy / Alembic, asyncio, PHP / Laravel, REST / OpenAPI, microservices; React, Next.js, Vue.js
Data: PostgreSQL (row-level security), MySQL, MongoDB, Redis, vector databases (pgvector)
Automation & AI: Temporal.io, n8n, Playwright, OpenAI / Claude / Gemini APIs, structured outputs, MCP, RAG, embeddings, LangChain / LangGraph, prompt-injection testing, Google Workspace (OAuth)
Platform & security: Git (GitHub, GitLab, GitHub Actions), Linux, Docker, Kubernetes, Terraform, AWS, GCP, Azure, Nginx, CI/CD, observability, OWASP ASVS / Top 10, Semgrep, LDAP / AD, JWT
Engineering practice: TDD, Clean Architecture / DDD, ADRs, Jest, Vitest, pytest, Playwright E2E, Scrum / Agile

EDUCATION

B.Eng. in Computer Science, Cybersecurity — in progress (part-time) — *WSB-National Louis University*, Nowy Sącz, Poland 10.2024 – Present

Mechatronics Technician — *Technical School of Electrical Engineering and Mechanics*, Nowy Sącz, Poland 2019 – 2024

LANGUAGES

Polish — native · English — working proficiency (EU–China R&D collaboration, international clients)

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