

DARIA WNUK

Backend Developer | Software Engineer | Python

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SUMMARY

Software engineer that blends her technical expertise with business-oriented knowledge. Experienced in backend development, data processing and RESTful API design with proven ability to translate business requirements into scalable technical solutions. Strong background in client relationship management and process optimization coming from diverse industry experience.

TECHNICAL SKILLS

Languages: Python

Frameworks: Django, Django REST Framework

Databases: PostgreSQL, SQLite

DevOps & Tools: Docker, GitHub Actions, Docker Compose, Cron

Message Queues: Redis, Celery, MQRabbit

Testing & QA: Pytest, API testing (Postman)

Libraries: Google OR-Tools, Pandas, NumPy, Folium, Geopy

FEATURED PROJECTS

Employee Shift Scheduler (open source), March 2025

Python, Google OR-Tools, Pytest

- Built constraint programming system using Google OR-Tools to optimize weekly employee scheduling with complex business rules and availability constraints
- Implemented an advanced optimization model designed for handling shift coverage, adhering to working hours limits, consecutive days restrictions and employee preferences with soft/hard constraint separation
- Developed comprehensive diagnostic system detecting under-utilization, coverage gaps and providing recommendations for schedule improvements
- Added Pytest suite ensuring reliability across diverse scheduling scenarios

Repo: <https://github.com/darkchiii/staff-scheduling-cp-model>

Sales Analytics & Automation Platform (open source), September 2025

Python, pandas, Google Sheets API, Streamlit, Telegram Bot API, matplotlib, plotly

- Built ETL pipeline integrating Google Sheets API with Python for automated sales data processing and real-time analytics using pandas and numpy
- Developed data validation framework with custom business rules, error detection and automated quality checks ensuring data integrity across 50+ sales records
- Implemented multi-interface analytics platform featuring CLI, web application (Streamlit) and Telegram bot with time-series analysis, customer segmentation and product performance tracking
- Created interactive visualization system using plotly for dynamic charts and trend analysis with configurable parameters and automated report generation
- Designed modular architecture with clean separation of data loading, processing and reporting components

Repo: <https://github.com/darkchiii/sales-automation-bot> | Web app: <https://sales-analysis-automation.streamlit.app/>

URL Shortener API, May 2025

Python, Django, Django Rest Framework, Docker, Docker Compose, Cron, Pytest

- Built REST API using Django and DRF for URL shortening with automated link expiration, visit tracking and analytics
- Implemented containerized architecture with Docker Compose orchestrating Django app, PostgreSQL database and automated cron service for cleanup tasks
- Developed comprehensive testing suite with Pytest covering unit tests, API validation and error handling scenarios
- Created automated background processing using custom Django management commands and cron jobs for link expiration and database maintenance

Repo: <https://github.com/darkchiii/URL-shortener-API>

PROFESSIONAL EXPERIENCE

Freelance Developer & Virtual Assistant

April 2024 - Now

- Developing custom software solutions for small businesses focusing on automation and process optimization
- Managing client relationships from requirements gathering to project delivery and maintenance
- Creating automation scripts in Python to streamline repetitive business processes
- Providing technical consultation on technology adoption and digital transformation initiatives

OOH.PL, Account Manager

September 2023 - March 2024

- Built and maintained strategic client relationships managing key accounts and ensuring high satisfaction levels
- Prepared campaign proposals and presentations tailored to specific client needs and market opportunities
- Conducted market analysis and trend research supporting business development and strategic planning initiatives
- Managed cross-team communication facilitating collaboration between sales, marketing and operations departments

Travatar, Key Account Manager

January 2023 - August 2023

- Conducted market research and competitive analysis providing data-driven insights for strategic decision making
- Managed product implementation projects coordinating between technical teams and stakeholders
- Developed and executed marketing strategies resulting in improved client engagement and retention
- Analyzed technology tools and workflows recommending process improvements and efficiency optimizations
- Communicating with investors and clients

Moth Studio, Frontend Developer

November 2020 - December 2021

- Developed user interfaces using React.js with focus on responsive design
- Collaborated across teams including UI/UX designers and marketing to deliver implementations
- Implemented content management solutions using Strapi CMS for dynamic web applications
- Conducted comprehensive testing including manual testing, bug identification and test scenario development
- Managed direct client communication including project scoping, requirement documentation and progress updates

Moth Studio, Office Manager

February 2019 - November 2020

- Led recruitment processes including talent sourcing, screening and onboarding for technical and non-technical positions
- Managed contract administration including employment agreements, NDAs and international document translation
- Coordinated project workflows with designers and developers, ensuring timely delivery and quality standards
- Optimized operational processes improving team efficiency and establishing scalable administrative procedures

Languages

English - C1

Polish - Native

Education

Computer Science, Computer networks and data processing

University of Lodz

2018-2021