

Olga Lachowska

Mechanical Engineering | Full Stack Developer

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PROFILE SUMMARY

Project Engineer with experience in fault management for electric vehicles at Volkswagen AG. Skilled in ticket management, technical coordination, and project documentation. Also a Web Developer, building React and Django-based platforms for small and medium-sized companies in various industries. Previous experience as a Student Assistant at TU Dresden, supporting research and course development in mechanical engineering.

SKILLS

Frontend: JavaScript, TypeScript, React, React Native, HTML5, CSS3

Backend: Node.js, Python, Flask, Django, REST API, SQLite, PostgreSQL, SQLAlchemy, MongoDB

Tools & Version Control: Git, Postman

Oprogramowania: SolidWorks, Jira

PROJECTS

Portfolio Website

TypeScript | Tailwind CSS

An interactive website built with TypeScript and Tailwind CSS, featuring dynamic animations, responsive design, and sections showcasing projects and information about me.

PackComplex Website

React | Node.js | JavaScript | CSS

A website built with React and Node.js, featuring dynamic animations, intuitive navigation, and a contact form that sends messages directly to the company email. Optimization and modern technologies ensure smooth performance and an excellent user experience.

usePopcorn

React | JavaScript | CSS | HTML

A React-based movie tracking platform that allows users to log watched films, rate them (1-10), write reviews, and curate personalized movie lists. Includes search and filtering options for easy navigation.

Pizza Slices App

React | JavaScript | CSS

A web application built with React that serves as a pizzeria's online menu. Users can explore the pizzeria's offerings, view detailed descriptions of pizzas, and navigate through an intuitive, user-friendly interface.

Weather App

JavaScript | Node.js | API | Express | EJS | CSS

A modern web application for displaying weather was created, utilizing an API along with technologies such as JavaScript, Express, Node.js, and EJS.

WORK EXPERIENCE

Project Engineer

ALTEN Polska | Warsaw | October 2024-now

- Responsible for the fault management in the context of electric vehicles as part of a project for Volkswagen AG.
- Managing tickets in the KPM system, tracking and escalating requests when necessary.
- Collaborating with technical departments to ensure timely issue resolution.

Web Developer

Freelance | Online | November 2024-now

- Developing a React-based website for a manufacturing company, focusing on performance and UX optimization. (Project on GitHub)
- Building a web platform for an educational company using React & Django, including a secure student login area for the upcoming launch of the new version in the third quarter of 2025.

Student Assistant

TU Dresden | Dresden | November 2022- October 2024

- Conducted in-depth research for ongoing projects at TU Dresden, providing valuable insights and data to support the institute's initiatives.
- Played a role in preparing educational materials for production engineering courses, ensuring clarity and relevance to enhance the learning experience for students.

EDUCATION

Mechanical Engineering | TU Dresden, GermanyOctober 2019 – September 2024

Production Engineering | Industrial Technologies | Python | Data Analysis | Machine Learning | C#

CERTIFICATIONS

Deutsches Sprachdiplom (C1)	June 2018
Python For Beginners UDEMY	April 2022
SUMMERSCHOOL SPRING 2023 (Python for engineers) TU Dresden	September 2023
Intermediate Python Course UDEMY	December 2023
100 Days of Code: The Complete Python Pro Bootcamp for 2023 UDEMY	March 2024
Foundational C# with Microsoft freeCodeCamp	May 2024
The Complete 2024 Web Development Bootcamp UDEMY	November 2024
The Ultimate React Course 2024: React, Next.js, Redux & More	In progress
AWS Certified Cloud Practitioner CLF-C02 2025	In progress
The Complete Java Script Course 2024: From Zero to Expert! UDEMY	In progress

LANGUAGE PROFICIENCY

- Polish - C2 – native
- German - C1 – advanced
- English – C1 – advanced
- Swedish – A2 – beginner

COMMUNITY ENGAGEMENT AND ACHIEVEMENTS

Schulbrücke EuropaHeidelberg | 2017

Participation in the Schulbrücke Europa program in Heidelberg in 2017, aimed at promoting intercultural exchange and European integration.

DEUTSCHLAND-STIPENDIUMTU Dresden | 2019/2020

Awarded the DEUTSCHLAND-STIPENDIUM in the academic year 2019/2020, demonstrating academic achievements and community involvement.