Lukasz Zmudzinski

PYTHON ENGINEER

lukasz@zmudzinski.me
github.com/lukzmu
linkedin.com/in/lukzmu

Experience

STX Next

Senior Backend Engineer 2025.03 - Present
- Performing Technical Leadership roles in client projects
- Gathering requirements and proposing technical solutions
- Mentoring of Python developers and helping them grow

AP-Tech

Tech Lead 2024.09 - 2025.03
- Building monitoring and reaction systems for the aviation industry
- Proposing technical solutions for new and existing projects
- Supporting project teams with technical knowledge and review

Infermedica

Senior Python Developer 2023.08 - 2024.08
- Building the medical knowledge base and related API
- Supporting ecosystem users with their technical problems
- Extending, developing and maintaining company services

Merixstudio

Tech Lead 2023.01 - 2023.08
- Providing cross-team project lifecycle support
- Supporting project teams with technical knowledge and review
- Providing a communication buffer with the client

Senior Python Developer 2022.01 - 2023.01
- Leading project development teams
- Proposing technical solutions for problems at scale
- Being responsible for product lifecycle

Backend Consultant 2021.07 - 2022.07
- Participate in client discovery calls with Business Representatives
- Prepare project scope, discuss proposed solutions and create estimations for clients
- Make technical decisions about the development direction

Python Developer 2020.09 - 2022.01
- Working in Agile product teams
- Proposing technical solutions for assigned tasks
- Participating in project discussions

University of Warmia and Mazury in Olsztyn

Research Assistant 2016.10 - 2020.09
- Performing research in robotics and machine learning
- Improving rough mereology based path planning algorithms
- Technical training for students and conference organization

Butter.co.uk

Data Scientist and Backend Developer 2018.08 - 2020.01
- Performing data analysis of clients
- Implementing Machine Learning loan models
- Adding API functionalities in Django

Treesat

Team Leader and Software Engineer 2015.10 - 2016.06
- Developing IoT systems for heating and car industry
- Creating back-end services using Python and Java
- Managing a mobile team

ITM Software House

Software Developer 2010.09 - 2014.05
- Creating "wow" effect software using AR and IoT
- Working on human-computer interaction interfaces
- Preparing designs for web and print

Education

Wyzsza Szkola Ksztalcenia Zawodowego

- Post-Graduate in Management in Health Care   2022.10 - 2024.09

University of Warmia and Mazury

- Master of Science in Information Technology   2014.10 - 2016.06
- Bachelor of Science in Information Technology   2010.10 - 2014.06

Certification

- DataCamp Data Engineer   2023.11
- SNOMED CT Foundation   2023.09
- AWS Certified Cloud Practicioner   2022.06
- Tableau Data Scientist   2019.11
- DataCamp Data Scientist with Python   2019.02

Projects

Commercial

- Media Campaign Platform   2025.03 - Present
- System for automatic airport obstacle monitoring   2024.09 - 2025.03
- Airport risk management system   2024.09 - 2025.03
- Advanced Surface Movement Guidance and Control System   2024.09 - 2025.03
- Internal medical tools Python package   2023.11 - 2024.08
- Medical Knowledge Base and related API   2023.08 - 2024.08
- Internal Business Intelligence project   2022.08 - 2023.08
- Analytics Dashboard for Machine Learning   2022.08 - 2022.11
- IoT emergency lightning system   2021.09 - 2022.08
- Sales enhancement system   2021.07 - 2021.10
- E-commerce product importer   2020.09 - 2021.06
- FinTech in the travel industry   2018.08 - 2020.01
- Bus schedule application (mvp)   2017.01 - 2017.02
- Social media platform (mvp)   2016.01 - 2016.10
- Car assistant application   2015.12 - 2016.06
- IoT device installer   2016.05 - 2016.06
- Smart IoT platform for the heating industry   2015.10 - 2016.06
- Smart car fleet manager   2016.01 - 2016.06
- News aggregator in the game industry   2015.03 - 2015.05
- Ski Resort browser   2014.09 - 2014.11
- Customer services search   2014.05 - 2014.08
- Real estate application   2014.01 - 2014.05
- 3D furniture builder   2012.05 - 2014.05
- Sensor based fair assistant   2013.10 - 2013.12

Personal

- Simple resume builder in Python   2024.01 - 2024.01
- Family website built with Python and Pelican   2023.05 - 2023.08
- Warcraft guild web application + Discord bot   2022.03 - 2022.12
- Flash credit system (hackathon)   2021.06 - 2021.06
- Social help project (hackathon)   2020.10 - 2020.10
- Blockchain voting system (hackathon)   2020.09 - 2020.09
- Trash management suite (hackathon)   2018.06 - 2018.06