Szymon Miks
Software Engineer

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👤 About me

I'm Szymon Miks **Software Engineer** based in **Lębork, Poland**.

I'm interested in **software engineering, craftsmanship, clean architecture, clean code, design patterns and pragmatism in software development.**

⚙ Experience

Senior Backend Software Engineer at KAIZEN REPORTING *(May 2023 – now)*

- Kaizen Reporting is a data-driven technology company that makes working with financial regulation easier, from researching and tracking rules to improving the quality of their regulatory reporting.
  - Implementation of the new features
  - API development
  - Technologies: Python, Docker, AWS Lambda, AWS Athena, AWS Glue, DynamoDB, AWS Step Functions, SNS, SQS, big data, pytest

Senior Python Developer at Netguru S.A. *(July 2021 – May 2023)*

- A Global Employee Engagement Platform (EEP) serving 50,000 companies with over 15 million users.
  - Over 100 microservices
  - Implementation of the new features for the User Management & Onboarding Team
  - Event-driven architecture
  - Integration with external services
  - API development
  - Technologies: Python, Docker, AWS Lambda, AWS ECS, DynamoDB, AWS Step Functions, SNS, SQS, pytest, CircleCI
- A company aiming to make the flat rental a service based on cognitive ease, security and predictability for the client
  - Integration with Polish Banks API like ING, PEKAO, Santander
  - Working with SOAP API
  - Development of new features like massive transactions, an account history report
  - Technologies: Python, Docker, Django, pytest, CircleCI

Python Developer at Netguru S.A. *(July 2019 – July 2021)*

- A Global Employee Engagement Platform (EEP) serving 50,000 companies with over 15 million users.
  - Participating in migration from monolith architecture to microservices architecture
  - Proposed and convinced business to do **Event Storming** for migration purpose
  - Developed new microservices in a way of hexagonal architecture with various patterns
  - Event-driven architecture
  - Integration with external services
  - Technologies: Python, Docker, AWS Lambda, DynamoDB, AWS Step Functions, SNS, SQS, localstack, pytest, openapi, CircleCI, Bamboo
- A platform that helps property companies protect rental Income through advanced due diligence and fraud detection tests.
  - Monolithic application written in Django
  - Development of new features
  - Migration some features to Serverless
  - Integration with external services
  - Technologies: Python, Docker, AWS, MySQL, Django, DRF, AWS SAM, AWS Lambda, SNS, SQS, pytest
- An application allowing to use the value of your Real Estate as an investment opportunity.
  - Monolithic application written in Django
  - Development of new features
  - Technologies: Python, Docker, AWS, PostgreSQL, Django, DRF, pytest

Python Developer at DLabs sp. z o.o. *(March 2019 – now)*

- PYTHON, DJANGO, JS, DOCKER
- development of web application using DJANGO
- working mainly with **data science** projects - preparing backend code for data science components

Full Stack Developer at MiroArt *(November 2016 – March 2019)*

- PHP, JS, HTML, CSS, SMARTY, MYSQL, GIT
- development of web applications
- development of company version of CMS
- creating PYTHON scripts for job automation
- created PYTHON web scraping scripts for moving content from one website to another
- optimization of JS, CSS, HTML for better website performance
- maintenance of the virtual private server, working with the Linux operating system, updating and installing GCC, PYTHON, WKHTMTOPDF, NODE.JS, PHP and other tools necessary to web development

Junior Monitoring Administrator, System & IT Infrastructure at Aplitt Sp. z o.o. *(September 2016 – October 2016)*

- PYTHON, BASH, LINUX
- maintenance of existing monitoring mechanisms
- development and supporting of Zabbix reports system
- monitoring company infrastructure

Web Developer at MiroArt *(June 2016 – September 2016)*

- HTML, JS, CSS
- creating websites
- working with CMS
- development of HTML templates (SMARTY)

- development of new features in company version of CMS

🎓 Education

Gdańsk University of Technology *(Oct 2016 - July 2020)*

Faculty of Electronics, Telecommunications and Informatics, Gdańsk, Poland
Bachelor of Engineering, Computer Science

Zespół Szkół Łączności w Gdańsku *(Sep 2012 - June 2016)*

High School Centre of Communication and Technology in Gdansk, Poland
IT technician, Information Technology

🔧 Skills

Which I know the best:

| Python | OOP | Unit tests | Git | REST API | Starlette | Flask | Django | Django Rest Framework |

| Docker | Docker Compose |

Knowledge of:

DDD   CQRS   Hexagonal architecture   SOLID   Design patterns   Modular monolith

Event driven architecture   Event Storming   C4 model   TDD   CI/CD   Terraform   Celery

RabbitMQ   Serverless Framework

Basic knowledge of:

Event sourcing   AWS CloudFormation   Django CMS   PHP   Bash

Databases:

MySQL   MongoDB   PostgreSQL   DynamoDB   Redis   Elasticsearch

Cloud Technologies:

AWS Lambda Functions   AWS Step Functions   AWS S3   AWS SNS   AWS SQS   AWS API Gateway

AWS ECR   AWS ECS   AWS Fargate   AWS Batch   AWS RDS   AWS Cloudwatch   AWS Route53

AWS DynamoDB

Front end technologies:

JavaScript   HTML5   CSS3   Bootstrap   RWD   ES6   Vue.js

➕ Additional

Soft skills:
communication, problem-solving, responsible, **teamwork,** creativity

Known languages:
Polish, English

Hobby:
programming, martial arts, **philosophy,** enterprise, psychology