Mateusz
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Junior Backend Engineer

CONTACT

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🔵 MateuszMaciaszczyk

📍 Cracow, Poland

EDUCATION

Computer Science
AGH UST
2022 - present

HARD SKILLS

- Pyhton
- Java
- Spring
- React
- SQL
- HTML/CSS
- JS/TS
- Git
- AWS

ABOUT ME

I am a third-year Computer Science student at the Faculty of Computer Science at AGH. My primary interests lies in software development particularly the backend aspect of building both web and desktop applications. Additionally, I am deeply fascinated by artificial intelligence and machine learning, especially their application in solving real-world problems.

Beyond computer science, I regularly engage in sports such as basketball, cycling, and going to the gym. I also have a keen interest in economics, as I believe that understanding economic mechanisms is crucial for personal development.

WORK EXPERIENCE

Hearing Polska
Intern

July - September 2023

During the job my task was to create backup management system and database using Java and PostgreSQL. This program allows users to commission a backup on a specific computer and this program will automatically place a task in Jira. After backup is done user input information about it such as date, storage location, etc. This program aims to optimize the process of safeguarding critical data on computers.

PERSONAL PROJECTS

Darwin World

Java application simulating the game of life. "Darwin World" is a simulation project creating an evolving ecosystem where creatures roam, forage, and reproduce in plains and jungles. The environment, creatures' genes, and behaviors are configurable, allowing users to run and visualize dynamic simulations. The application features a JavaFX-based GUI, real-time statistics, and supports multiple concurrent simulations.

Workout application

This web application is a tool that helps users organize, monitor and track their workouts and progress in sports. The application allows users to create personalized training plans, track their workouts and updating the number of current sets and repetitions. It also tracks the user's progress in given exercises. It is connected to a MySQL database, where there is a collection of all exercises and workouts. A backend written in java and spring connects the application to the database - allowing you to read and write data.

SKILLS

Java

I possess advanced knowledge of Java, supported by experience in developing applications using popular frameworks. I am proficient in the Spring Framework, including Spring Boot, Spring MVC, Spring Web, and Spring Data, which allows me to efficiently design and deploy complex web applications and microservices. I am familiar with Hibernate, using it for data persistence management and SQL query optimization. I have mastered advanced Java elements such as multithreading, memory management, and modern language features. Additionally, I have experience writing unit and integration tests using JUnit. My skills enable me to deliver high-quality and reliable software solutions.

Python

I have developed advanced skills in Python, demonstrated through extensive experience in developing applications. I am skilled in using Pandas and NumPy for data analysis and manipulation, as well as Matplotlib for data visualization. My expertise includes leveraging TensorFlow and PyTorch for machine learning and deep learning projects. Additionally, I am well-versed in writing efficient, clean, and maintainable code, and have experience in automated testing with pytest. My comprehensive Python skills enable me to deliver high-quality, scalable, and reliable software solutions.

SQL

I have extensive expertise in SQL, backed by extensive experience in database management. I am proficient in using MySQL and PostgreSQL for designing and maintaining complex relational databases. I have expertise in writing efficient queries, stored procedures, and triggers. My skills include advanced techniques such as indexing, normalization, and transaction management. My comprehensive SQL skills enable me to deliver high-quality, efficient, and reliable database solutions.