

# Jakub Woiński



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## EXPERIENCE

### **Britenet, Białystok – Software Java Developer**

July 2021 – October 2021

Taking part in the development of web applications using backend technologies and tools such as Java, Spring Boot and Docker.

Working on application security (Spring Security), database management (MySQL, Hibernate) and migrations (Flyway, Liquibase). Participating in unit and integration testing using Mockito and JUnit, and code versioning with Git.

### **Freelancer, Białystok – Private teacher of higher mathematics and computer science**

January 2021 – now

Teaching mathematics to university students individually, focusing on topics such as mathematical analysis, linear algebra, differential and integral calculus, and statistics. Adapting the material to the level and needs of the student, explaining complex concepts, and solving difficult tasks and problems. Supporting students in preparing for exams, helping them understand theory and develop practical skills.

### **Freelancer, Białystok – Programmer implementing custom projects**

January 2024 – now

Carrying out programming projects for students, including creating applications, scripts and technical solutions in line with the requirements of academic courses. The scope of work included requirements analysis, design, implementation and testing of solutions.

#### **Pacman Game**

- **Technologies:** Java, JavaFX, Maven, Lombok
- Implemented a classic Pacman game with dynamic maze generation and AI-controlled enemies.

## STACK

Java  
Spring Boot  
Spring Security  
Spring Data JPA  
Maven  
Hibernate  
Flyway  
Liquibase  
Docker  
OpenAPI 3.0  
Swagger UI  
Lombok  
Mockito  
JUnit  
Git  
MySQL

## LANGUAGES

Polish – C2

English – B2

German – A2

## LINKS

[www.linkedin.com/in/jakub-woinski-718985268/](https://www.linkedin.com/in/jakub-woinski-718985268/)

<https://github.com/JWoinski>

## Order Monitoring System with Kafka

- **Technologies:** Java, Spring Boot, Apache Kafka, PostgreSQL, Docker, OpenAPI 3.0, Lombok, Mockito, Spring Security
- Developed a distributed system for real-time order tracking and management with RESTful API and Kafka-based communication.

## Mathematical Equation Solver with GUI

- **Technologies:** Java, Swing, Apache Commons Math, Maven
- Created an application to solve complex mathematical equations with a user-friendly graphical interface.

## EDUCATION

**University of Bialystok, Bialystok** – Bachelor's degree (scientific scholarship holder, diploma thesis in the field of artificial intelligence– comparing deep neural networks in a classification task )

October 2019 - July 2022

Studying computer science, gaining knowledge and skills in programming, algorithms, databases and software engineering. Thanks to high academic results, a scholarship was awarded. My diploma thesis concerned artificial intelligence on deep neural networks, which allowed me to deepen my knowledge in this dynamically developing area. The study program emphasizes practical projects and developing analytical competences and problem solving.

## NON-COMMERCIAL PROJECTS

<https://github.com/IWoinski/designTask>

**–Order processing API with Kafka** –High-traffic order processing service for e-commerce platforms—an application using Java, Spring Boot, Kafka, and Docker to receive, log, and mock email notifications for incoming order updates while ensuring scalability and performance under heavy load.

<https://github.com/IWoinski/currency-app>

**–Online currency exchange application with real-time currency exchange rate updates** – currency exchange application that automatically downloads currency rates (PLN) from the NBP website, allowing users to track the latest exchange rates.

<https://github.com/IWoinski/online-shop>

**–E-commerce platform with a basket and authorization**, an e-commerce platform that allows users to add products to the basket, make safe purchases using token authorization and browse the assortment with filtering and sorting options.

Check out one of my projects at this QR code:



<https://github.com/IWoinski/job-offer-matcher>

**-A job offer aggregator application**, an application that collects job offers from various sites including noFluffJobs and sends personalized job offers according to user preferences

<https://github.com/IWoinski/registration-system>

**-REST API for course registration with place control** - API for managing student registrations for courses, which takes into account place limits on a course and the maximum number of courses a single student can register for.

## LICENCES & CERTIFICATES

**Java Serverless Applications on AWS** - [LinkedIn](#)

Issued February 2025

**Test Driven Development in Spring Boot with JUnit and Mockito** - [LinkedIn](#)

Issued February 2025

**Advanced Features of Java 21** - [LinkedIn](#)

Issued January 2025

**Complete Guide To Java Testing with JUnit 5 & Mockito** - [LinkedIn](#)

Issued December 2024

**Functional Programming in Java** - [LinkedIn](#)

Issued November 2024

**Learning Java 11** - [LinkedIn](#)

Issued August 2024

**Advanced Programming in Java** - [LinkedIn](#)

Issued July 2024

**Java: Advanced Concepts for High-Performance Development** - [LinkedIn](#)

Issued January 2024

**SpringCore - Spring Framework 4 and Spring Boot** -Udemy

Issued January 2024

**Java EE: Concurrency and Multithreading** - [LinkedIn](#)

Issued September 2023

**Building Java Microservices with gRPC** - [LinkedIn](#)

Issued June 2023

## **Java Streams API Developer Guide - [Udemy](#)**

Issued May 2023

## **Git Beginner Guide - [Udemy](#)**

Issued April 2023

## **MySQL Creating and Managing Databases - [Udemy](#)**

Issued April 2023

## **Java Expert - create own apps - [Udemy](#)**

Issued March 2023

## **Database Design and Programming with SQL - Oracle**

Issued March 2020

### **COURSES**

## **Java Technology Course (1.5 years)**

August 2022 - January 2024

completed an intensive, 1.5-year Java programming course, led by a Senior Java Developer with 15 years of experience in the IT industry. The course covered advanced technologies and tools used in the daily work of a programmer. During the course, It was the opportunity to work on live tasks related to the senior's projects, which allowed me to gain practical experience in working with real programming problems. In addition, the course included elements of working in a scrum team, which allowed to learn the Scrum methodology.

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