TIM BARVENOV

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Passionate and dedicated last-year Computer Science student. Possesses great experience in Java Desktop development and some experience in web development. Seeking a role in web development as a Backend/Full-stack engineer.

EDUCATION

Adam Mickiewicz University   Poznań, Poland
Bachelor of Computer Science, **GPA: 4.8/5**   2021 - Jan 2025 (expected)

Belarusian State University   Minsk, Belarus
Bachelor of Mechanics and Mathematical Modeling (incomplete, 3.5/4 years)   2017 - 2021

SKILLS

Programming Languages	Java, SQL (Postgres, MySQL), Python, JS, TS, HTML/CSS
Frameworks and Libraries	Spring, Spring Boot, Hibernate, JUnit, JavaFX, Selenium, React, Firebase
Developer Tools	Git, Jira, IntelliJ, PyCharm, Google Cloud Platform
Languages	English - **B2**, Polish - **C1**, Russian - **Native**

PROFESSIONAL EXPERIENCE

Java Developer   Jan 2022 - Mar 2024
Virtual Light   *Minsk, Belarus / Remote*

- Developed Desktop App using JavaFX, Selenium, and OpenCV. It automates complex user actions across similar functional websites
- Migrated from Java 8 to Java 21. That increased performance and reduced memory consumption by 20%
- Achieved a 15% speed increase by rewriting SQL queries from Cursor-based processing to a more efficient table-join approach
- Optimized the image classification algorithm, increasing accuracy from 90% to 98%
- Suggested and developed a new application workflow. This workflow reduced the required computation node instances from 20+ to 1. Each app instance demands a dedicated node
- Moved common code from projects to separate libraries, eliminating the need for individual changes and testing in each project
- Reduced the need for multiple separate scripts by integrating the capability to view and analyze statistics and graphs directly within the application.

PROJECTS

Virtual Try-On App
University graduation project with a team of 4. It uses ReactJS, Java (Spring Boot), Python, Mediapipe, and Firebase. Performing as a Tech Lead and Scrum Master alongside the programming tasks

LEADERSHIP

- Providing mentoring and integrating interns into projects
- Leading a team of 4 in a university graduation project under the mentorship of the university supervisor. Implementing Agile Scrum methodology using Jira and Bitbucket for project organization.