

# Valerii Matviiv

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## SKILLS

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React	Typescript	Javascript	Node.js	Tailwind CSS
Java	Apache Spark	SQL	Express.js	Redis
Azure	Azure Functions	Cosmos DB	Docker	Git

## PROFESSIONAL SUMMARY

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Computer Science student (GPA: 4.82/5) at AGH University with hands-on experience designing and deploying cloud-native services using Java, Microsoft Azure (Azure Functions, Cosmos DB), Redis, and Apache Spark. Proficient in full-stack development with React, TypeScript and relative frameworks, with additional backend experience in Node.js and Express.js.

## RECENT PROJECTS

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### Cloud-Native Lego Auction Platform | [Private Repository](#) Sep 2025 - Nov 2025

- Contributed to the design and deployment of a scalable, high-availability RESTful API on Microsoft Azure, developing core backend endpoints using Java (JAX-RS) and Maven.
- Implemented a multi-level caching strategy using Azure Cache for Redis, writing logic at the API layer to cache objects/lists and significantly reduce Cosmos DB queries.
- Authored and deployed a time-triggered Azure Function ('Auction Closer and RecentLegoSetsTracker') to manage auction state and update the Redis Sorted Set of recent items.
- Engineered and deployed a data processing job using Apache Spark on Azure Databricks to analyze historical data and compute "trending" Lego sets.
- Identified and resolved a critical high-load security flaw, properly securing endpoints that allowed unauthenticated data modification under heavy request load.
- Wrote Artillery (with Faker.js) test scripts to simulate realistic user load, verifying that the caching solution dramatically reduced latency and eliminated database spikes.

**Tech:** Java (JAX-RS), Maven, Microsoft Azure (App Service, Cosmos DB, Blob Storage, Redis Cache, Azure Functions), Apache Spark (Databricks), Artillery, Faker.js, Git.

### Student Testing Platform | [GitHub](#) April 2025 - June 2025

- Led the frontend development for a full-stack student testing application, mentoring two junior developers and managing the team's Git workflow (including PR reviews).
- Architected and implemented the entire user-facing application using React, TypeScript, and React Router, building all views for authentication, exam management, and student dashboards.
- Developed a library of reusable components (e.g., debounced inputs, date-time pickers, pagination) using Tailwind CSS and Shadcn/ui to ensure UI consistency and stability.

**Tech:** React, React Router, Tailwind CSS, Shadcn/ui, Vite, Git

## EDUCATION

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| • Bachelor of Computer Science in AGH university of Krakow | Oct 2023 - Feb 2027 |
| • Erasmus studies in NOVA School of Science and Technology | Sep 2025 - Jan 2026 |

## ADDITIONAL INFORMATION

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- Languages:** English, Ukrainian, Polish
- Awards/Activities:** Rectors scholarship in AGH university of Krakow, Participation in Deployed's Frontend workshop
- Certificates:** [Principles of UI/UX Design](#), [Developing Back-End Apps with Node.js and Express](#)