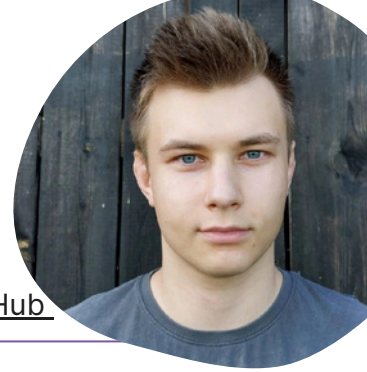


# JAKUB MATRAS



[in LinkedIn](#) | [+48 781 881 487](tel:+48781881487) | [portfolio](#) | [mkob.matras@gmail.com](mailto:mkob.matras@gmail.com) | [GitHub](#)

## SKILLS

**Frontend** Angular 2+ | RxJS | React | Bootstrap | HTML | CSS | SCSS | JavaScript | TypeScript | Node | npm

**Backend** Java 1.8-21 | Spring Boot | SQL (PostgreSQL, MySQL) | NoSQL (MongoDB, CassandraDB) | GIT | Hibernate | JPA | Liquibase | Docker | Microservices | Grafana | Linux | JUnit 5 | Mockito

**Others** SOAP | REST | MQ | Kafka | YAML | XML | JSON | Jenkins | SOLID | Integration | English B2/C1

## WORK EXPERIENCE

**Full-Stack Developer,**  
**Transition Technologies – Science Sp. z o.o. – Poland**

**December 2022 – May 2025**

- Designed and developed full-stack web applications using Angular (frontend) and Spring Boot with the latest Java versions (backend), integrated with PostgreSQL databases. Used Liquibase for version-controlled database migrations.
- Delivered end-to-end solutions that are actively used by hospitals, research institutions, clinical trial centers, laboratories, and biobanks, often requiring the analysis and integration of complex medical system databases.
- Led the implementation of core application modules, ensuring high performance, scalability, and maintainability.
- Contributed to the development and maintenance of internal frontend and backend libraries used across multiple projects.
- Planned and designed system architecture and inter-module communication, using various integration patterns and communication protocols such as REST, SOAP, message queues (MQ), and Apache Kafka.
- Participated in code reviews and helped define coding standards and best practices to ensure consistency, code quality, and maintainability across the team.

**Integration Developer (ESB Team),**  
**PKO Bank Polski S.A. – Poland**

**December 2024 – Present**

- Integrate a wide range of internal banking systems by designing and implementing communication flows tailored to each system's protocols and data formats, using REST, SOAP, message queues (MQ), and Apache Kafka.
- Manage and maintain a complex ecosystem of numerous interconnected systems and multiple environments, ensuring clear understanding of dependencies and integrations across the bank's IT landscape.
- Work closely with both technical and business teams to understand system requirements, troubleshoot integration challenges, and ensure solutions meet stakeholders' needs.
- Build and deploy scalable, lightweight microservices using an internal Spring Boot-based integration framework, enabling fast service creation and horizontal scalability.
- Monitor services and environments using Grafana and InfluxDB, quickly identifying and resolving incidents or failures to ensure continuous system availability and reliability.
- Develop an internal React-based tool for business analysts to interact with Cassandra-stored data, demonstrating flexibility and adaptability across backend and frontend technologies.
- Thoroughly test all developed solutions to ensure reliability and minimize downtime, understanding the critical importance of high availability in banking systems.

## EDUCATION

**Lublin University of Technology**  
Bachelor of Engineering (part-time studies), in progress  
Field of Study: Computer Science  
Expected graduation: 2026

**2022 - nowadays**