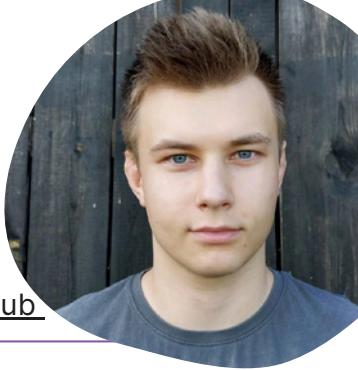


JAKUB MATRAS



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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, **December 2022 – May 2025**
Transition Technologies – Science Sp. z o.o. – Poland

- 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), **December 2024 – Present**
PKO Bank Polski S.A. – Poland

- 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