



# AMJAD MASSAOUD

Software engineer

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Warsaw

## EDUCATION

**Bachelor of Computer Engineering**

2023 - 2026

## TECHNOLOGY STACK

- Typescript/Javascript
- Java
- Spring
- NodeJS
- React
- React Native
- NextJS
- Rabbitmq
- NestJS
- Kafka
- PostgreSQL
- MongoDB
- ChromaDB
- InfluxDB
- AWS
- Terraform
- Git
- Linux
- Docker
- kubernetes

## LANGUAGES

- English (C2)
- Arabic (C2)
- Polish (A2)

## PROFILE

Backend software engineer with three years of professional experience, specializing in Node.js, Java, and microservices architectures, with system design—thinking through service communication, My background spans IoT, job platforms, and internal tools for clients like Fincons and PMI. designing APIs. building reliable backend systems that perform well under real-world pressure. Currently, I serve as the Lead Engineer for the Keeta Network where I architect secure blockchain-to-fiat gateways, define technical standards for compliance, and lead the engineering team in building resilient, high-scale financial infrastructure

## WORK EXPERIENCE

### Innowise - Middle

10.2024 - Present

#### Selected Project: Keeta Networks

07.2025 - 02.2026

- **Team Growth & Leadership:** I was dedicated to designing technical interview processes, hiring top-tier talent resulting in hiring 5 members for the team, and mentoring developers to uphold high standards of code quality and system design.
- **Third-Party API Integrations:** Successfully engineered the integration of 7 distinct third-party APIs—spanning identity verification (KYC), foreign exchange (FX) data providers, and banking rails—orchestrating complex data synchronization to extend the platform's global financial capabilities.
- **Cross-Chain Payment Rails:** Engineered the integration of standardized SDK-native payment rails (ACH, Wire, EVM) into the asset movement service, replacing legacy custom implementations to enable compliant, type-safe, and seamless fiat-to-crypto interoperability.
- **Financial Data Persistence:** Architected a robust SQL persistence layer using PostgreSQL to implementing high-precision decimal types to guarantee exact ledger integrity for multi-currency financial conversions.
- **Secure Financial Operations:** Developed secure handlers that enforce strict KYC validation and banking recipient verification, preventing unauthorized transactions and ensuring regulatory compliance for cross-border payments.
- **Infrastructure Optimization:** Redesigned database and queue connection pooling strategies within the microservices environment, resolving connection exhaustion issues and ensuring high-availability processing for asynchronous financial transaction pipelines.

#### Selected Project: Philips and Moris International (PMI)

10.2024 - 07.2025

- **Real-Time Data Enhancement:** Significantly enhanced the manufacturing system's data pipeline by tuning the Kapacitor and InfluxDB, slashing critical data response times from 10 seconds to under 1 second, and implemented advanced threshold sigma settings for product quality monitoring.
- **Management Alarm Awareness:** Created and deployed an automated, tiered notification system that integrated monitoring alarms directly with the management board and production teams, ensuring immediate awareness and accelerating response time to critical manufacturing incidents.

- **Microservices Architecture:** Designed and implemented new microservices to decouple monolithic application components, resulting in improved system resilience and massive scalability across different manufacturing lines.
- **Data Integrity and Monitoring:** Developed logging and validation services to ensure data quality and integrity across all IoT sensor inputs, reducing false positive alerts by 13%.

### **Innowise – Junior**

**10.2023 – 09.2024**

#### **Selected Project: Fincons**

- **Search Engine Optimization:** Enhanced the core job search engine's performance, resulting in a 9% reduction in search query response time and a measurable improvement in result relevance metrics.
- **Backend Architecture Development:** Contributed critical features and services to a highly robust microservices architecture, ensuring system stability and massive scalability under peak load conditions.
- **System Performance & Reliability:** Successfully refactored and optimized high-traffic API endpoints.
- **Designed and built responsive internal dashboards** using React and Redux, providing real-time data visualization for system metrics that empowered operations teams to monitor performance and resolve bottlenecks faster.

### **Innowise – Intern**

**06.2023 – 08.2023**

- I was exposed to bug tickets to fix.
- Implementing new features within Innowise internal tools.

### **Informers – Intern**

**02.2023 – 06.2023**

- Developed and deployed 15+ reusable UI components using React and TypeScript, reducing frontend development time for future features by 20%.
- Collaborated with UI/UX designers to translate Figma wireframes into pixel-perfect, responsive web pages using Tailwind CSS.
- Optimized application performance by implementing lazy loading and image compression, resulting in a 15% improvement in Lighthouse SEO scores.