

# Maksym Syniuhin

+48 577 962 124 | [maksimsinugin1@gmail.com](mailto:maksimsinugin1@gmail.com) | [linkedin.com/in/msyniuhin](https://linkedin.com/in/msyniuhin) | [github.com/MaksimSinyu](https://github.com/MaksimSinyu)

## SUMMARY

Passionate Full-Stack Developer with over 2 years of experience in building and maintaining large-scale applications using Java, Spring Boot, Angular, and Node.js. Skilled in microservices architecture, Agile methodologies, and cloud-native development. Eager to continuously expand technical knowledge and solve challenging problems.

## TECHNICAL SKILLS

**Languages:** Java, JavaScript, TypeScript, SQL, HTML, CSS  
**Frameworks:** Spring, Spring Boot, Angular, Node.js, Express.js, NestJS  
**Tools:** Docker, Kubernetes, Kafka, JUnit, Cucumber, Jenkins, Git, Maven, Webpack  
**Databases:** PostgreSQL, MongoDB, Redis, MySQL  
**Cloud:** AWS, Azure, Google Cloud Platform (GCP)  
**Other Skills:** Microservices Architecture, REST API Development, Object-Oriented Programming, CI/CD Pipelines, Agile Methodologies, Code Review

## EXPERIENCE

<b>Full-Stack Developer</b> <i>Various Projects</i>	Jan 2022 – Present <i>Remote/Hybrid</i>
<ul style="list-style-type: none"><li>Developed and maintained Java and Angular applications using Spring Boot and microservices architecture.</li><li>Designed and implemented RESTful APIs with Node.js and Express.js for backend services, ensuring secure and scalable communication between services.</li><li>Integrated real-time data streaming with Apache Kafka and WebSockets, allowing applications to handle high-throughput data for live updates.</li><li>Optimized application performance through database schema optimization and implementation of Redis as an in-memory cache, reducing response times by 30%.</li><li>Implemented CI/CD pipelines using Jenkins, Docker, and Kubernetes, automating deployment processes and reducing time-to-market.</li><li>Developed comprehensive unit and integration tests with JUnit, Jasmine, and Cucumber, ensuring high test coverage and code reliability.</li><li>Collaborated with cross-functional teams in Agile environments, leading sprint planning sessions, and conducting code reviews to ensure adherence to best practices.</li><li>Mentored junior developers, providing guidance on coding standards, design patterns, and debugging techniques.</li></ul>	
<b>Autopilot System for Remote Controlled Boat</b> <i>Solo Development</i>	March 2022 – April 2022 <i>Warszawa, Poland</i>
<ul style="list-style-type: none"><li>Designed and developed an autopilot system for a remote-controlled boat using an STM32 microcontroller and C++, with real-time navigation capabilities.</li><li>Integrated GPS, digital compass, and remote control receiver modules for precise navigation and control.</li><li>Developed and fine-tuned PID control algorithms for regulating speed and direction of the boat, ensuring smooth and accurate maneuverability in various conditions.</li><li>Implemented a custom communication protocol between the boat's sensors and the controller, ensuring reliable data transmission and command execution.</li><li>Conducted extensive testing and optimization of the autopilot system in real-world environments, achieving a 95% accuracy in reaching predefined waypoints.</li><li>Utilized FreeRTOS for real-time task scheduling and multithreading, enabling efficient resource management and system stability.</li></ul>	
<b>Taxi Service Application</b> <i>Solo Development</i>	Nov. 2023 – Dec. 2023 <i>Remote</i>
<ul style="list-style-type: none"><li>Developed a scalable and cloud-native taxi service application using Java, Spring Boot, and Angular, with a focus on microservices architecture.</li><li>Designed the backend system as a set of loosely coupled microservices, each responsible for specific domains such as user management, ride management, payment processing, and notifications.</li><li>Integrated third-party APIs such as Google Maps API for real-time location tracking, route optimization, and distance calculations.</li><li>Implemented an event-driven architecture using Apache Kafka for real-time ride status updates, ensuring seamless communication between drivers and passengers.</li><li>Utilized Redis for caching frequently accessed data such as user profiles and ride history, reducing database load and improving application response times.</li><li>Deployed the application on AWS, leveraging EC2 instances, RDS for PostgreSQL databases, and S3 for object storage, achieving 99.9% uptime through auto-scaling and monitoring.</li><li>Implemented OAuth 2.0 and JWT-based authentication for secure access control across the application.</li><li>Developed a payment gateway integration with Stripe API, enabling users to securely process payments for their rides.</li></ul>	
<b>Pastebin Service</b> <i>Solo Development</i>	July 2024 – August 2024 <i>Remote</i>

- Designed and implemented a scalable, microservice-based Pastebin Service for storing and retrieving text snippets, using Java and Spring Boot. The system was architected to handle high volumes of traffic while maintaining reliability and performance.
- Developed a microservice architecture with independently deployable services, improving scalability and maintainability. Utilized Spring Cloud for service discovery and centralized configuration management.
- Integrated MinIO for efficient and scalable object storage, enabling secure and fast access to user-generated content. Implemented data redundancy and replication strategies to ensure data integrity and availability.
- Created a custom Hash Generation Service that generates unique identifiers for each paste, ensuring quick and collision-free access to stored snippets. This service was designed with high availability and fault tolerance in mind, using Redis for caching generated hashes.
- Utilized Redis for high-speed caching, significantly improving response times and reducing load on the PostgreSQL database, which served as the primary data store for persistent data.
- Developed an API Gateway that centralized routing, load balancing, and CORS configuration, enhancing security and simplifying client-side integration. The gateway also handled authentication and rate limiting to protect the system from abuse.
- Implemented Prometheus for comprehensive monitoring, collecting custom metrics on paste creation and access patterns. Exposed these metrics via a dedicated Metrics Service, allowing for real-time performance tracking and alerting.
- Configured Docker for containerization, ensuring consistent environments across development, testing, and production stages. Utilized Docker Compose for local development and multi-stage Dockerfiles for optimized builds.
- Built a robust CI/CD pipeline that automated the deployment process using Jenkins and Docker. Deployed the system on AWS, leveraging services like EC2, RDS for PostgreSQL, and S3 for static file storage.
- Handled cross-origin resource sharing (CORS) with fine-grained control, allowing secure and seamless interaction between the frontend application and backend services.
- Ensured maintainability and ease of management through a centralized configuration system, with environment-specific settings managed via YAML configuration files.

## Project Management Dashboard

May 2023 – June 2023

*Solo Development*

*Remote*

- Built a comprehensive project management dashboard with Angular for the frontend and Node.js/NestJS for the backend, allowing teams to organize tasks, track progress, and collaborate in real-time.
- Implemented user authentication and authorization using OAuth2 and JWT, ensuring secure access control and user data privacy.
- Developed a set of RESTful APIs in Node.js, handling task management, user roles, and project data, integrating with MongoDB for scalable and flexible data storage.
- Designed a responsive and intuitive user interface in Angular, utilizing Material UI for consistent design and improved user experience.
- Set up CI/CD pipelines with Jenkins and Docker, automating testing, building, and deployment processes, resulting in faster release cycles.
- Deployed the dashboard on Azure Kubernetes Service (AKS), ensuring scalability and reliability, with Azure Blob Storage for storing project files and assets.
- Implemented real-time collaboration features using WebSockets, enabling team members to work together and see updates in real-time.
- Utilized Elasticsearch for advanced search capabilities, allowing users to quickly find tasks, documents, and conversations.

## EDUCATION

**im. Marcina Kasprzaka Technical School**

*Programmer, Further Mathematics*

Warszawa, Poland

*Sept. 2023*

## LANGUAGES

**English:** B2

**Russian:** C1

**Ukrainian:** C1

**Polish:** B2

## ADDITIONAL INFORMATION

**Soft Skills:** Team player, Adaptable, Focused on long-term cooperation

**Interests:** Continuous learning, Tech conferences, Open-source contributions