

EMPLOYMENT

Senior Software Engineer **Itekako** **Oct. 2019 – now**

Market data streaming platform - 1 yr

- Led the development of C# client library for a real-time stock data service, leveraging gRPC to stream data efficiently to client applications.
- Enhanced system resilience and throughput by optimized utilization of real-time stock market data providers.
- Tech stack: Java - Spring Boot, C#, MongoDB, gRPC, K8s, Docker...

Online focus group platform (Project demo) - 2 yr 6 mos

- Developed web services to manage long-running worker jobs in the Kubernetes cluster.
- Migrated persistence of static data to Amazon S3 Cloud Storage, utilizing CloudFront as a CDN.
- Improved user experience by enabling sign-in via Google using OAuth 2.0 authentication.
- Implemented a video transcoding service leveraging the FFmpeg tool.
- Tech stack: Java - Spring Boot, JUnit 5, RabbitMQ, Docker, K8s, Redis, AWS SDK, PostgreSQL...

Vacuum pump telemetry hub - 6 mos

- Established a state machine-based software solution for telemetry data exchange between system components using MQTT protocol.
- Tech stack: C++, MQTT, Azure IoT Hub, SQLite...

Software Engineer **PRODYNA SE** **Nov. 2018 – Sept. 2019**

Online marketplace for employees - 11 mos

- Enhanced the API, introducing new widgets and additional filtering parameters for improved product search.
- Reduced searching service response time by 80% via caching.
- Tech stack: Java, Liferay CMS, JavaScript, HTML, CSS, MySQL...

Software Engineer **Itekako** **Oct. 2016 – Nov. 2018**

System for automatic recording of meetings - 7 mos

- Designed and developed software to schedule, record and stream office meetings seamlessly.
- Built web services for robust management, monitoring and deployment of remote desktop devices.
- Tech stack: C#, RabbitMQ, PostgreSQL, SQLite...

Cellular-based system for public safety - 1 yr 2 mos

- Implemented a feature to block all communications by constantly switching the connected device from one base station to another.
- Designed and developed API for base station system control and monitoring of connected devices.
- Tech stack: Java - Spring Boot, C++, Elasticsearch, PostgreSQL, REST...

Sports analytics software - 7 mos

- Decreased time for exporting player trajectories reports from ~5s to ~200ms by creating reports during manual player tracking instead of retroactively creating reports after tracking.
- Developed service for forwarding reports on dedicated servers through the SOAP protocol.
- Tech stack: C++, MFC, C#, SOAP...

EDUCATION

Belgrade, Serbia **Faculty of Electrical Engineering** **Sept. 2012 – Sept. 2017**

- B.S.E. in Computer Engineering and Information Technology
- Relevant Coursework: Programming, OOP, Operating Systems, Databases, Algorithms, Software Design, System Programming, Computer Architecture, Computer Networks, Linear algebra, Discrete Math...

OTHER

- Tech skills: Proficient - Java, C#, C++, C; Familiar - Python, React, Angular, JavaScript, HTML, CSS
- Languages: English - professional working proficiency; Serbian - native
- Links: [Personal website](#), [LinkedIn page](#)