

# Dominik Kotarski

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📄 [kotarski.dev](https://kotarski.dev)

## Experience

2019–2020 **Embedded software engineer**, *aconno*, Zagreb, Croatia.

- Optimised firmware of a core product, resulting in an 62% increase in performance
- Delivered firmware of 4 brand new company products
- Technology: nrf52832, nrf9160, FreeRTOS, Bluetooth, NB-IoT, C/C++

2020–Present **Software engineer - Full-Stack**, *ZG Informatika*, Zagreb, Croatia.

- Designed and delivered several core product features
- Contributed to and shipped a product that is currently used by hundreds of users
- Integrated new features that boosted product retention rate by 14%
- Pushed for and automated the testing protocol used on the product, resulting in over 40% less outgoing production bugs
- Technology: Typescript, React, React-Native, JAVA, JAX-RS, Quarkus, SQL, Docker

## Highlighted Project work

2021–Present **Maintainer**, *Streemless*, personal project.

- Browser-based solution enabling simple and convenient multi-room audio playback
- Technology: Javascript, WebRTC, FastAPI, Python

2020 **Maintainer**, *ispovesti.ml*, personal project.

- Heavy workload (GPT-2), requiring use of queues and asynchronous logic
- Microservice architecture with components available in separate containers
- Open source, GPLv3 licenced
- Technology: ML, GPT-2, Flask, RabbitMQ, Python, Javascript, React, Docker

## Technical skills

Familiar Machine learning, GCP, AWS, Azure, Go, Kubernetes, WebRTC, Django  
Experienced Linux, Flask, JAX-RS, Quarkus, C/C++, Docker, JAVA, React  
Advanced Python, JavaScript, TypeScript, React-native

## Education

2015–2020 **Master of Science in Computer Science**, *University of Zagreb, Faculty of Electrical Engineering and Computing*.  
Computer science, 3.4 GPA