

# Dominik Kotarski

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

## Experience

- 2020–Present **Software engineer - Full-Stack**, *ZG Informatika*, Zagreb, Croatia.
- Designed and delivered a graph visualization feature for the product, boosting customer retention rate by 14%
  - Pushed for and automated a testing protocol used on the product, resulting in over 40% less outgoing production bugs
  - Shipped a product currently used by thousands of users, with total project value of over 2m€
  - Technology: Typescript, React, React-Native, JAVA, JAX-RS, Quarkus, SQL, Docker
- 2019–2020 **Embedded software engineer**, *aconno*, Zagreb, Croatia.
- Optimised firmware of a core product, resulting in a 62% increase in performance
  - Delivered firmware for 4 new company products, with following quarterly sales exceeding 10k€
  - Technology: nrf52832, nrf9160, FreeRTOS, Bluetooth, NB-IoT, C/C++

## 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

Experienced React, HTML/CSS, Linux, Flask, JAX-RS, Quarkus, C/C++, Docker, JAVA,  
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