

Tomislav Lovrenčić

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Experience

- **Superbet** **Zagreb**
Software Development Engineer *July 2022–Present*
 - Currently designing and implementing microservices across various domains as a backend developer at Superbet.
 - Participated in the design and implementation of a new betting architecture, incorporating generic SDK plugins for efficient parallel bet handling, boosting bet placement speed by 300% and simplifying service integration.
 - Directly identified and resolved two critical exploits in our core systems, thus saving the company significant financial resources.
 - Managed the deployment of 20+ services for Superbet's international expansion, adapting databases, message queues, and system architectures to meet diverse regional requirements.
- **Autodesk** **Zagreb**
Software Development Engineer *July 2020–July 2022*
 - Contributed to the development of the world's leading PLM software, enhancing its scalability and distribution capabilities.
 - Implemented an efficient caching layer using Redis, significantly enhancing the PLM software's performance. This strategic addition reduced data retrieval times by 40%, markedly improving user experience and system efficiency, particularly in high-demand scenarios.
 - Achieved a 75% reduction in the loading time of the Autodesk home page by implementing parallel processing and optimizing tree node algorithms.
- **Infinum Academy** **Zagreb**
Android Developer *July 2018–December 2018*
 - Completed a comprehensive program in Android development, focusing on Kotlin and Java, and acquired hands-on experience in mobile application development.

Education

Academic Qualifications.....

- **Faculty of Electrical Engineering and Computing** **Zagreb**
Master's Degree in Computer Science *September 2021–July 2023 (Completed)*
- **Faculty of Electrical Engineering and Computing** **Zagreb**
Bachelor's Degree in Computer Science *September 2018–July 2021*

Notable Projects.....

- **SystemDesign Practice Platform - Full Stack Web Development** Developed a comprehensive website for SystemDesign interview practice, integrating front-end and back-end development with ChatGPT API, offering a unique, interactive learning experience for users preparing for technical interviews.
- **WebGym - Web application** - First major project, involving end-to-end development of a web application, from coding to collaborating with a team and incorporating feedback from a project supervisor.
- **Hockey Team Success Predictor** - Created an AI model that ranked second in class for predicting hockey team victories with 64% accuracy. Leveraged 2017/2018 season data to forecast 2019 outcomes, employing machine learning to dissect team performance and trends.

Technical and Personal skills

- **Programming Languages:** Proficient in: Java, Golang, Python, SQL.
- **Industry Software Skills:** Kafka, AWS, Grafana, Prometheus, DynamoDB, Mongo, Kubernetes.
- **Speaking Languages:** Croatian (native), English (Full professional proficiency)