AZRA KURTIĆ

Database Developer

An enthusiastic database developer and a Computer Science graduate with excellent problem-solving and analytical skills, attention to detail, and a strong work ethic. Also, a quick learner with a strong programming background, who is always seeking for opportunities to enrich knowledge and prove capabilities.

CONTACT

azrakurtic@gmail.com

https://www.linkedin.com/in/azra-kurti%C4%87-b0a0521b8/

+38762561849

EDUCATION

Bachelor of Computer Science with Business minor at Sarajevo School of Science and Technology (2019-2023)

International Baccalaureate (2015-2019)

SKILLS

- PostgreSQL
- Oracle
- MySQL
- Java
- C++ / C
- Analytical
- Problem-solving
- Interpersonal
- Communication
- Time-management

PROFESSIONAL HIGHLIGHTS

BHealth Application

For my final thesis, I have developed a full database system for health-tech application in PostgreSQL. The solution is efficient and highly scalable, as application is intended to grow significantly in the future. As working with sensitive user data, the security needed to be ensured. Besides the improvement of technical skills, I also managed to improve my entrepreneurial skills, as the project is a startup, and whole process from market analysis to testing was conducted.

Toy Valley Application

As a part of my Software Engineering course at the SSST University, my two colleagues and I have developed the toy-exchange application, where we followed the Software Development Life Cycle, and fully developed the application from gathering user requirements to deployment. The technology used for backend was Java Spring Boot, for frontend was Angular, and a PostgreSQL database. Moreover, GitHub was used for communication and collaboration. In this project, I have significantly developed teamwork skills, as the team consisted of three students with different levels of knowledge in different areas.

PROFESSIONAL EXPERIENCE

Database Developer

March 2023 - Present

Ministry of Programming

I am currently working as a database developer on NAGA - a pioneer in Social Trading, providing its users with the chance to trade and follow successful traders. Behind NAGA there is a highly complex database-level logic system written in PostgreSQL, communicating with MySQL and MariaDB replicas to fetch related data from MT4 and MT5 platforms.. My job includes new feature creation and old feature enhancement based on business requests, old code refactoring, query optimization, and database testing, together with communicating to employees from different departments to achieve it. As database developers hold highest level of responsibility in development, together with DevOps, my job is to create sustainable, scalable solutions that are easy to maintain. Therefore, the work requires excellent problem-solving skills, attention to detail, and ability to think creatively to ensure such a system.

Teaching Assistant

December 2021 - Present

SSST University

I am currently working as a teaching assistant for the Database Systems and Data Mining courses. My responsibilities are holding lab classes for the students, where I teach students the contents from the lectures in greater depth and assign them practical tasks. Also, I assist the professor in preparing and delivering course material, including lectures, assignments, and projects. Moreover, I monitor student performance, and provide additional assistance to the low-performance students.

Database Developer Intern

August - November 2022

Ministry of Programming

As a part of my MOP internship program, I worked on an internal startup project from the very beginning, from initial communication with the clients and idea formation, to the database deployment. Following the best practices, I have designed an ERD, implemented the PostgreSQL database system using SQL, triggers, functions, joins, and subqueries, indexes, logging and auditing. In addition, I learnt optimization techniques in theory more than in practice. The last month of my internship was spent working with the DevOps team and learning Docker and GitHub actions and basics of automatic deployment. Moreover, I worked on writing bash scripts in C. During the internship, I have learned what it means to work on a real-life project, with a dynamic nature, and constant change of business requirements. Moreover, my teamwork, communication, and stress management skills have also improved significantly.

Oracle Developer Intern

December 2021 - May 2022

Sparkasse Bank

As a part of my internship in Sparkasse bank, I worked on ETL process in Oracle tools, and performed data cleaning of the transactions table, so that it can be queried and analyzed. Also, I worked on delivering Business Intelligence reports to the Legal Department per request. During this process, I learnt how the operations and processes in banks function.

Data Science Intern

September - October 2021

Ministry of Programming

Before I switched to Database Development, I worked as a Data Science intern at MOP for one month. I worked on a startup called BioCertica as a data scientist, who extracted existing data, performed data processing and cleaning processes, data visualization, and found hidden patterns relevant to business. I attended weekly meetings with clients to present the findings.