![europass logo] **Curriculum vitae**

PERSONAL INFORMATION	**Mislav Karaula**

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WORK EXPERIENCE

02/2017–Present — **(Database) Developer, Data Analytics**
Span, Osijek (Croatia)

Designing and developing database systems, identifying inefficiencies in current databases and optimizing query performance to reach its full potential, modifying databases according to client needs, writing effective and sustainable code. Creating custom reports on top of databases using SQL Server Reporting Services and Power BI. Modifying and maintaining OLAP cubes using SQL Server Analysis Services.

Working as a lead developer on multiple projects and processes juggling the technical (development) workload among available resources.

Designing scalable, robust and performant data architectures capable of ingesting and analyzing big volumes of data.

Mentoring colleagues to reach their full potential in data management and providing data management and query optimization support to the rest of the development team(s).

03/2015–02/2017 — **Junior (Database) Developer, Reporting Team**
Span, Osijek (Croatia)

Designing and developing database architectures, modifying databases according to client needs, optimization of database performance, writing effective and sustainable code. Creating custom reports on top of databases using SQL Server Reporting Services. Modifying and maintaining OLAP cubes using SQL Server Analysis Services. Creating basic packages using SQL Server Integration Services

07/2014–09/2014 — **Internship**
Cardiff University - School Of Engineering, Cardiff (United Kingdom)

Abroad work experience (internship) with the student organisation IAESTE (The International Association for the Exchange of Students for Technical Experience). The work involved mathematical modeling in Matlab with the goal of resolving certain composite materials issues.

EDUCATION AND TRAINING

2018–Present   Doctor of Philosophy - PhD, Computer Science
Faculty of Electrical Engineering and Computing, Zagreb (Croatia)

My field of study: Data Science.

The Faculty is responsible for doctoral study in the area of technical sciences, scientific field of electrical engineering and scientific field of computing. The core components of a university doctoral study are scientific research and creativity. Within the postgraduate doctoral study, students are introduced to scientific research work and prepared for a career in either scientific and academic sectors or for research and development in the economy industry, where they can contribute to the prosperity and welfare of the society by creating new knowledge and technologies.

These studies educate young scientists in areas that are rapidly evolving and have a decisive role in technological and societal development. It should be stressed that today's progress in technology is not only achieved by ingenuity of new solutions; rather, it is the result of serious research and development activities.

2014–2017   Master of Science - MS, Mathematics and Computer Science
Josip Juraj Strossmayer University of Osijek, Osijek (Croatia)

By its syllabus, as well as the forms and methods of teaching, the study programme enables adoption and understanding of:

- some complex constructs in certain areas of mathematics, and
- improvement of more advanced concepts of computer science.

During their study, MMath degree holders also develop the following competencies:

- practical application of acquired knowledge in mathematics and computer science, and
- solving problems in other (not necessarily mathematical) areas by applying mathematical models and computers.

Forms and methods of teaching contribute to the development of:

- the learning ability and inclination to scientific research,
- communication and presentation skills.

2011–2014   Bachelor of Science - BS, Mathematics
Josip Juraj Strossmayer University of Osijek, Osijek (Croatia)

By its syllabus, as well as the forms and methods of teaching, the study programme enables adoption and understanding of:

- the basic knowledge of major areas of mathematics, and
- the basic knowledge of computer science.

During their study, BMath degree holders also develop the following competencies:

- practical application of acquired knowledge in mathematics and computer science, and
- solving problems in other (not necessarily mathematical) areas by applying mathematical models and computers.

Forms and methods of teaching contribute to the development of:

- the learning ability and inclination to scientific research,

- communication and presentation skills.

PERSONAL SKILLS

Mother tongue(s)   Croatian

Foreign language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
	Certificate in Advanced English (CAE)				
German	A1	A1	A1	A1	A1
Italian	A2	A2	A1	A1	A1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

Communication skills
- empowering others to reach their full potential in data management and analytics
- good at listening to other people's creative ideas and enjoying in a mutually beneficial constructive discussion

Organisational / managerial skills
- ability to give critical feedback to set people back on track
- setting a good work rhythm for the whole team
- asking coworkers for a feedback and being open-minded to everything they have to say

Job-related skills
- exceptionally good with Microsoft SQL Server product and developing enterprise-grade solutions on top of it
- experience in both OLTP and OLAP performance tuning and setting up effective ETL/ELT processes
- knowledgeable in all segments of data management and analysis
- passion for all things concerning data (and large volumes of it) - driven by a mathematical background achieved by earning a mag. math. (Master of Mathematics) title and further pursuing the passion by being a PhD student focusing on the data science field
- as a go-to guy for anything data related in my company I share my insights with anyone who wants to know more, especially with people I'm directly mentoring with whom I often have informal mutually educational learning sessions

ADDITIONAL INFORMATION

Certifications   **Microsoft Certificates:**

MCSE: Data Management and Analytics - Certified 2019 (licence *H066-5864*)
MCSA: SQL 2016 Database Development - Certified 2019 (licence *H049-1337*)
Microsoft Certified Professional (licence *F753-5536*)

Microsoft Exams:

Exam 70-461: Querying Microsoft SQL Server 2012/2014
Exam 70-761: Querying Data with Transact-SQL
Exam 70-762: Developing SQL Databases
Exam 70-464: Developing Microsoft SQL Server 2012/2014 Databases

Conferences	**Sessions held:**

12/2018 - Advanced Technology Days 14 - Zagreb, Croatia - Graphs, welcome to SQL Server!

09/2018 - KulenDayz 2018 - Osijek, Croatia - Graphs, welcome to SQL Server!

Conferences attended:

12/2018 - SQL Saturday Slovenia 2018 - Ljubljana, Slovenia

12/2018 - Advanced Technology Days 14 - Zagreb, Croatia

09/2018 - KulenDayz 2018 - Osijek, Croatia

05/2018 - SQLDay 2018 - Wrocław, Poland

09/2017 - KulenDayz 2017 - Osijek, Croatia

09/2016 - KulenDayz 2016 - Osijek, Croatia