

Zahna-Elster, Germany
<https://www.linkedin.com/in/tomislav-dukez>

Tomislav Dukez
Full Stack Software Developer

+49-1515-613-327
tomdu3@ymail.com
<https://github.com/tomdu3>

I am a Full-stack Software Development with a specialization in Predictive Analytics from the Code Institute, Dublin. I am proficient in HTML, CSS, JavaScript, Python, Front End and Back End (Django, Flask, SQL), and a long-time Linux user. I have experience as a Lecturer at the University, as a diplomat, and as an officer-in-charge in Public Administration. I have strong communication skills and effective problem-solving abilities, with particular passion in Back End, and coding tutoring. I am particularly interested in Data Analysis and Database Management.

Technologies and Languages

- Languages: HTML, CSS, JavaScript, Python, TypeScript, C, SQL
- Technologies: Linux, Bootstrap, Tailwind, NodeJS, ExpressJS, Flask, Django, Automated Testing in Python and JS: Unittest, Jest; SQLite3, PostgreSQL, jQuery, React, Data Science and Machine Learning: , Pandas, Matplotlib, Seaborn, Plotly, Scikit-Learn, TensorFlow, Streamlit, Jupyter Notebook, Tableau, Excel, Git, GitHub
- Other: Heroku, Data Structures and Algorithms, Agile Development, UI/UX Design, Software Project Management

Work Experience

Project Owner - Backend Lead

Chingu Voyage 50

July – August 2024

- Led the backend development of Hungry Hippo, a full-stack food delivery web application.
- Utilized Node.js, Express, and PostgreSQL to design and implement robust APIs that facilitated seamless order management and tracking.
- Collaborated with a team of frontend developers using React, Tailwind, and TypeScript to ensure an optimal user experience.
- Successfully managed project timelines and deliverables within an agile environment.

Data Analyst

London School of Informatics

April – June 2024

Associate

- Team Lead in performing research and analysis to assist ERP (Enterprise Resource Planning) companies in staying ahead of their competition.
- Compiled data using data visualization (Excel) by working with senior Data analysts to get meaningful insights that improve organizational processes.
- Participated in in-house workshops to improve industry knowledge.

Junior Full-Stack Engineer

Coding Tutor

2023 - Present

Freelance

- Providing personalized tutoring in Python, Front End (HTML, CSS, JavaScript, jQuery), and Back End (Django, Flask, NodeJS) technologies to help individuals and groups gain practical coding skills and solve programming challenges. My unique blend of technical expertise and teaching ability enables me to facilitate effective learning experiences for my students.

Projects

- **Hungry Hippo** – is a Full Stack Web Application made as a part of 50th Voyage organised by Chingu. It simulates a website for the food delivery service. **Technologies Used:** JavaScript, TypeScript, React, Tailwind, NodeJS, Express.js, PostgreSQL. **GitHub:** <https://github.com/chingu-voyages/v50-tier3-team-21>
- **Books for Life** – is a 4th Portfolio Project of the Code Institute's Full Stack Web Development course. It is a Full Stack developed website, a platform for book lovers to share their favourite books with other book lovers. **Technologies Used:** Python, HTML, CSS, JavaScript, Django, Bootstrap, PostgreSQL. **GitHub:** <https://github.com/tomdu3/books-for-life>
- **Brain Tumor Detector** – 5th and final Portfolio Project of the Code Institute's Bootcamp of the specialization in Predictive Analytics. The business goal of this project is the differentiation of the healthy brain and the one with the tumor based on the brain MRI scan images. The project is realised with the Streamlit Dashboard and gives to the client a possibility to upload the MRI brain scan in order to predict the possible tumor diagnosis. **Technologies Used:** Python, NumPy, Matplotlib, Seaborn, Plotly, TensorFlow, Keras Tuner, Scikit-Learn, Streamlit. **GitHub:** <https://github.com/tomdu3/brain-tumor-detector>
- **Out and About** – A winning project at the Code Institute Hackathon in June 2023. It's a site built to share events throughout history related to the LGBTQ+ community all over the world. Its interactive globe allows you to rotate and zoom in on the globe and click on countries with a pride flag to read about an event in that country. **Technologies Used:** Python, Flask, PostgreSQL, HTML, CSS, TailwindCSS, JavaScript. **GitHub:** <https://github.com/vanderpatrick/Hackteam-6>
- **Who Wants To Be a Millionaire Kind Of** - A command-line application in Python that is an homage to the famous TV game that conquered the world. In this version, the questions are related to "Movies and TV" trivia. **Technologies Used:** Python. **GitHub:** <https://github.com/tomdu3/millionaire-kindof>
- **Smiley's Memories** – A responsive and interactive front-end site Smiley Emoji-themed Memory Game. It's Project 2 of the Diploma in Full-Stack Web Development at the Code Institute. **Technologies Used:** HTML5, CSS3 and *Vanilla* JavaScript. **GitHub:** <https://github.com/tomdu3/smiley-memories>

Education and Certifications

- **Data Science Training Program** **Oct 2023 - Feb 2024**
London School of Informatics – London, UK
- **Diploma in Full Stack Software Development with Specialization in Predictive Analytics,** **2022-2024**
Code Institute - Dublin, Ireland
(Credit Rated by University of West of Scotland)
- **Coursera:** C Programming: Getting Started – 1, C Programming: Language Foundations | **Codecademy:** Learn JavaScript Course | Learn SQL Course | **Future Learn:** Getting Started with Agile and Design Thinking | **Harvard's CS50:** Introduction to Computer Science | Introduction to Programming with Python

Additional Work Experience

Officer in Charge Vatican	Secretariat of State	2019 – 2023
Central Statistical Office of the Church		
<ul style="list-style-type: none">Leading the statistical team of 6 professionals in statistics and collection of the world data regarding the Church and charital organisationsSupervising of the yearly publications of the data in: <i>Annuario Pontificio</i> and <i>Annuarium Statisticum Ecclesiae</i>Supervising the development of an online version of the <i>Annuario Pontificio</i> that is to be released in 2024.		
IT Office		2019 – 2021
<ul style="list-style-type: none">Leading the team of 6 IT professionals in charge of the system administration, data management, security assistance and general user helpdesk of the Secretariat of State.		
Editor of the <i>Acta Apostolicae Sedis</i>		2020-2021
<ul style="list-style-type: none">Editor of the Official Bulletin of the Holy See <i>Acta Apostolicae Sedis</i>		
Professor of Canon Law Dakovo, Croatia	Catholic Faculty of Theology University of Osijek, Croatia	2017 - 2019
<ul style="list-style-type: none">Participated in implementation of a part of the educational process, held seminars, practicals, tutorial classes for students as instructed by the subject teachers.Conducted student consultations, held preliminary exams.Participated in scientific research work, participated in the entrance procedure.		
Tribunal Officer Dakovo, Croatia	Matrimonial Tribunal Catholic Archdiocese of Dakovo-Osijek	2015 - 2019
Deputy Head of Mission Islamabad, Pakistan	Embassy of the Holy See	2012 - 2015

Additional Education Information

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| <ul style="list-style-type: none">Doctor of Law, Canon Law
Faculty of Canon Law, Pontifical Lateran University, Rome, Italy | 2010-2011 |
| <ul style="list-style-type: none">Licentiate degree, Canon Law
Faculty of Canon Law, University of Marcianum, Venice, Italy, and Pontifical University of the Holy Cross, Rome, Italy | 2007-2010 |
| <ul style="list-style-type: none">Bachelor of Theology, Humanities
Faculty of Theology in Zagreb and in Dakovo, University of Zagreb, Croatia | 1998-2003 |
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Interests/Additional Information

- I'm a passionate coder and Linux user, interested in Data Analytics and Machine Learning, and Full Stack Software Development (BE Heavy).
 - I enjoy education and educating people into coding.
 - I like math, classical music, literature, especially poetry, cycling and traveling.
 - Language Skills: Native Croatian, Fluent Italian, Fluent English, Beginner German, Beginner French.
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