

PERSONAL INFORMATION

Dimitar Jovanov



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📅 Date of birth 01.09.1992 | 🇲🇰 Nationality Macedonian | 📍 Current city Freiburg, Germany

EXPERIENCE (Top picks¹)

August 2017 – Present

Research Assistant – Web Developer @ Fraunhofer-Institut für Solare Energiesysteme ISE

KMod is a Solar Infrastructure Transformation System which provides predictions about the time needed to convert a city's energy needs to renewable energy. I worked on the input module, extraction module and visualization module. The implementation process included the design of a database, front end functionalities including interactive visualizations and cross-filtering, user interfaces and back end support.

August 2012 – Present

Founder & Android Developer @ Vikni Taksi (Call a Cab)

Vikni Taksi is an application that provides information and contact numbers for all of the cab companies located in Skopje, Macedonia. I founded the company with my goal set to provide fair prices and easy accessibility to people when using Skopje's cab companies. I was organizing and planning for a team of two throughout the whole process. I have worked on the Android application, the back end support including the full design of the database, website design and functionalities and REST API used for both the Android and iOS version.

Link: <http://www.viknitaksi.mk>

May 2015 – October 2015

Web Developer @ Institute of Public Health of the Republic of Macedonia

Mojtermin.mk is a system used by the Macedonian Health Department for doctor appointment scheduling, patient referral and prescription management. I was part of the team that worked on the data visualization project of patient referral tracking within the governmental health system. Worked on front end and back end handling, Google Maps and Geographic Information System implementation of the locations of all the health institutions, a country level heat map analysis of healthcare accessibility and a map flow visualization of the referral path.

April 2014 – May 2015

Web Developer Lead @ Mozilla's Macedonian Community

The Macedonian Mozilla Community works on further developing the open source solutions provided by Mozilla, localizing its applications and extensions and raising the awareness about the whole Mozilla Eco-System. During my volunteer engagement in the Mozilla community I was responsible for a team of 4 developers that were developing apps for the launch of the Firefox OS. Furthermore I took part in the organization of the event for the Firefox OS launch in Macedonia and gave instructional classes on the event used as a baseline for future developers of Firefox OS apps.

¹ These are the top picked experiences, the rest are available on my LinkedIn profile.

PROJECTS (Top picks²)

- October 2016 – July 2017 **Galaxy** - Web development (*University of Freiburg*)
- Galaxy is an open source project that provides biomedical researchers all of the needed tools to keep the accessibility, reproducibility and transparency of research in all of their work. The main focus of our work was the development of scripts which automatically import visualization plugins for the researchers. We simplified the process of plugin integration into Galaxy. Furthermore we integrated a wrapper for the FornaC library and made it a part of a workflow to produce output as an image of an RNA secondary structure.
More info: <https://usegalaxy.org/>
- October 2015 – March 2016 **Vorlesung/Übung Tracking** - Android Application (*University of Freiburg*)
- Project Lead and Android developer on a mobile solution developed by a team of six international students, which was meant to help students with better organization of their lectures and exercises. The app was a fully functional android application connected with the University of Freiburg system. My role as Team Lead included responsibilities like Code Checking, Guidelines for Development, Version Control Persistency. My main focus during development phases was System Logic, SQLite Persistence, Network Service Discovery (NSD), View Design and Tablet Support.
- June 2014 – April 2015 **Grouper.mk** - Android Application (Macedonian Company)
- Grouper.mk is a discount coupon website similar to Groupon with a fully functional online store. I developed an Android application from scratch for the needs of the company which later won first place in 2014's best Android application of Macedonia award and took the second place in 2016. I worked on the system logic, REST API, multi device support, payment processing and mobile support, SQLite persistence, custom animations and components, notifications, Deep Linking and Google Analytics.
Link: <https://play.google.com/store/apps/details?id=com.grouper.mk&hl=en>
- April 2014 – May 2014 **Mediatly Register Zdravil** - Windows Phone Application (*Slovenian Company*)
- Mediatly Register Zdravil is a mobile application used by Slovenia's medical community as a drug database system. Design and implementation of the Windows Phone 8 application. Extensive use of C# and XAML, full design, REST communication, user authentication, search by atc and keyword with a SQLite background database and ad display system.
Link: <https://www.microsoft.com/de-de/store/p/mediately-register-zdravil/9nblgggzq0t7?rtc=1>

PUBLICATIONS

- May 2014 **Automatic Injection of Web Semantics to Static and Dynamic Web Sites**
The *CIIT - International Conference on Informatics and Information Technologies*
Link: https://www.researchgate.net/profile/Dimitar_Jovanov/publications
- April 2015 **Big Data dynamic visualization based on user behavior**
The *11th International Conference on Informatics and Information Technologies*
Link: https://www.researchgate.net/profile/Dimitar_Jovanov/publications

² These are the top picked, the rest are available on my LinkedIn profile.

HONORS & AWARDS

- Dec 2016 **Best Mobile Application 2016** - Second Place (*Grouper.mk*)
Link: <http://sajtnagodinata.mk/>
- October 2015 **Study Scholarship for Graduates of All Disciplines** - Germany
DAAD - Deutscher Akademischer Austauschdienst
- May 2015 **Community Award** (*Moj Vozduh*)
Social Impact Award
Link: <http://socialimpactaward.mk/>
- April 2015 **Mentor**
Nasa Space Apps Challenge Macedonia
Link: <https://2015.spaceappschallenge.org/location/skopje/>
- December 2014 **Best Mobile Application 2014** - First Place (*Grouper.mk*)
Link: <http://sajtnagodinata.mk/>
- November 2012 **Best Cloud Implementation** - WowZapp Hackathon
Microsoft Macedonia

EDUCATION AND TRAINING

- October 2015 - Present **Master of Science (M.Sc.) in Computer Science** at "*The University of Freiburg*" – Freiburg, Germany
- October 2013 **Google Analytics Academy** - Course Certificate
- September 2011 – June 2015 **Bachelor of Information Science** at the "*Faculty of Computer Science and Engineering*" – Skopje, Macedonia
Field of study: Computer Science and Engineering
Grade: 9.47 / 10

PERSONAL SKILLS

Languages:	Macedonian	Native proficiency
	English	Full professional proficiency
	German	Limited working proficiency
	Serbian	Full professional proficiency

- Programming skills
- PHP / Laravel / Code Igniter
 - HTML / CSS
 - jQuery
 - JavaScript
 - Android
 - Java / Spring
 - SQL
 - Python
 - BASH / Shell
 - C/C++