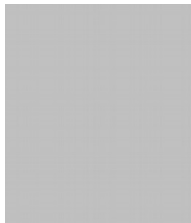## PERSONAL INFORMATION

# Matej Kovačič

📍 Slovenia

✉ matej.kovacic@telefoncek.si

🌐 https://telefoncek.si

Gender: MALE | Year of birth: 1974 | Nationality: Slovenian

JOB APPLIED FOR
POSITION
PREFERRED JOB
STUDIES APPLIED FOR
PERSONAL STATEMENT

data analysis, information security and privacy issues, IT management

## WORK EXPERIENCE

**2018 till present**

### Senior Lecturer in Information Security

University of Nova Gorica, Vipavska cesta 13, SI-5000 Nova Gorica, Slovenia

▪ University lecturing

Academic institution

**October 2019 till present
(complementary employment)**

### Area of Sales and Development of Information Services

Post of Slovenia, Slomškov trg 10, SI-2500 Maribor, Slovenia

▪ Member of research group

Government owned institution

**August 2014 till present**

### Professional Counsellor with PhD at Centre for Knowledge Transfer In Information Technologies (CT3) and Artificial Intelligence Lab (E3)

Jožef Stefan Institute, Jamova 39, SI-1000 Ljubljana, Slovenia

▪ Project management
▪ Research and development
▪ Education and training

Research institution

**August 2014 till July 2017
(complementary employment)**

### Researcher

Institute of Criminology at Faculty of Law, Poljanski nasip 2, SI-1000 Ljubljana, Slovenia

▪ Member of research group of Institute for Criminology
▪ Criminology research

Research institution

**November 2010 till August 2014**

### Head of Analytics, Intelligence and Information Security

Commission for the Prevention of Corruption, Dunajska 56, SI-1000 Ljubljana, Slovenia

▪ Information security and compliance with data protection legislation
▪ Statistical analysing of data (especially financial analytics)
▪ Development of system for electronic reporting and analysis of assets declaration and restrictions of business activities due to conflict of interest
▪ Development and maintaining a web application for monitoring the expenditure of Slovenian public sector (Supervizor)
▪ IT support / system administration (maintaining computer networks and servers).

Government institution

**October 2000 till November 2010**

### Researcher and Teaching Assistant

University of Ljubljana, Faculty of Social Sciences, Kardeljeva ploščad 5, SI-1000 Ljubljana, Slovenia

- Teaching students
- Cooperate in several scientific research and conducting social surveys
- Statistical analysis of data
- IT support (maintaining computer networks and servers)
- Working on European Safer internet plus programme

Research institution

## EDUCATION AND TRAINING

**from 1995 to 2000**

### BSc in Sociology - social informatics

University of Ljubljana, Faculty of Social Sciences, Kardeljeva ploščad 5, SI-1000 Ljubljana, Slovenia

- Study of social sciences
- Statistical analysis of data
- Basics of informatics (system administration, programming, databases, networking, etc.)
- Basic knowledge of business and economic

**from 2000 to 2005**

### PhD in Communication sciences

University of Ljubljana, Faculty of Social Sciences, Kardeljeva ploščad 5, SI-1000 Ljubljana, Slovenia

- Research on privacy and surveillance issues on the internet (social, legal and technical aspects of surveillance and privacy)

## PERSONAL SKILLS

**Mother tongue(s)**     Slovenian

**Other language(s)**

| UNDERSTANDING | | SPEAKING | | WRITING |
|---|---|---|---|---|
| Listening | Reading | Spoken interaction | Spoken production | |
| English | | | | |
| C1 | C2 | C1 | C1 | C2 |
| Serbian/Croatian | | | | |
| B2 | B2 | B2 | B2 | B1 |
| German | | | | |
| A2 | A1 | A1 | A1 | A1 |

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

**Communication skills**
- Teamwork and good ability to adapt to multicultural environments gained through working on several international scientific projects and open source development projects.
- Lecturing for university or professionals audience

**Organisational / managerial skills**
- Experience in project management, gained through working on several international scientific research projects, open source development projects and coordinating Commission for the Prevention of Corruption's IT projects.
- Leading development of Supervizor application (http://supervizor.kpk-rs.si) - Supervizor was a web application for monitoring the expenditure of Slovenian public sector.
- Editor (and writer) at student newspapers (Tribuna, Odmevnik), IT portal (Slo-Tech.com) and scientific journal (Družboslovne razprave).

| Job-related skills | ▪ Experience in implementing new technologies (responsible for implementation of IT support for conducting telephone and web surveys, development and deployment of analytical software applications, responsible for consolidation of Commission for the Prevention of Corruption's IT systems). |
|---|---|

▪ Experience in web development (webmaster and maintainer of several web pages).

▪ Experience in open source migration (experience in advising and migration to open source software).

▪ Experience in development of Arduino based sensor systems and prototyping electronics.

▪ Experience in information security (I am a member of expert's council of Institute for forensics of information technology, occasionally helping Slovenian police on investigating cybercrime, had several lectures and presentations on information security and cryptography on different conferences, doing research on IT security, performing security analysis, etc. My research area include:

◦ security of electronic communication;

◦ mobile (and GSM networks) security;

◦ VoIP security;

◦ implementation of encryption technology (HTTPS security, OpenVPN, e-mail encryption, data storage encryption, secure telephony and messaging services...),

◦ digital forensic analysis, etc.

▪ Lecturing on information security topics (video archive of some lectures are available at http://video.kiberpipa.org/matej_kovacic/ and http://videolectures.net/matej_kovacic/).

▪ Conducting IT and programming workshops for children (organised by Codeweek Slovenia) and workshops "School of experimental chemistry" organised by Slovenian Association of Chemistry Lovers and Jožef Stefan Institute (where children build various sensor systems and use them in chemistry lab).

**Digital skills**

| SELF-ASSESSMENT | | | | |
|---|---|---|---|---|
| Information processing | Communication | Content creation | Safety | Problem solving |
| Proficient user | Proficient user | Proficient user | Proficient user | Proficient user |

Levels: Basic user  - Independent user  -  Proficient user
Digital competences - Self-assessment grid

| Replace with name of ICT-certificates |
|---|

▪ Linux system administration (familiar with Linux command line) and MacOS system administration, including basic computer networking.

▪ Digital forensic analysis (data recovery, analysis of metadata, network traffic analysis, etc.).

▪ Experience in information security and cryptography.

▪ Statistical analysis of data with SPSS/PSPP and PostgreSQL.

▪ Knowledge of database management (PostgreSQL).

▪ Good command of several office applications.

▪ Basic knowledge of multimedia design applications for both Linux and Windows.

| Other skills | • Occasionally advisory on IT law related issues (helping with changes of Criminal Procedure Act regarding investigations of electronic devices and on changes of Electronic Communications Act regarding data retention and other privacy issues for Ministry of the Interior, occasionally advising Slovenian Information Commissioner on issues of privacy, data protection and IT legislation). |
|---|---|
| | • Lecturing data protection, privacy, information security, IT legislation and cybercrime at University of Nova Gorica and several guest lectures on this topics at different Slovenian faculties (Faculty of Social Sciences at the University of Ljubljana, Faculty of Criminal Justice and Security at the University of Maribor, Faculty of Logistics at the University of Maribor, Faculty of Computer and Information Science at the University of Ljubljana, Faculty of Organizational Sciences at the University of Maribor). |
| | • Occasionally lecturing on seminars about digital forensics and cybercrime for Slovenian investigating judges and other judicial workers. |
| | • Participant of 33rd Essex Summer School in Social Science Data Analysis and Collection at the University of Essex (Great Britain) in 2000 (attending courses: Data Exploration and Visualisation: Introduction to Data Mining, Mathematics, Introduction to Time Series Analysis, Advanced Regression Analysis, Correspondence Analysis, Time Series Analysis: Applications and Advances). |
| | • In study year 2017/18 I was a guest lecturer at course "New technologies in social science research" at Faculty of Social Sciences, University of Ljubljana. |
| | • In 2018 I was participating (lecturing) in Workshop on Judicial Benchbook of Communication Interception organised by Geneva Center For the Democratic Control Of Armed Forces. Project took place in Slovenia, Macedonia and Kosovo. |
| | • In 2018 I was developing platform for secure and encrypted exchange of information regarding fight against terrorism within PCC-SEE (Police Cooperation Convention for Southeast |
| | • Europe), project was implemented by Geneva Center For the Democratic Control Of Armed Forces from Switzerland. |
| | • In the past I have successful completed background check and got security clearance for access to the highest level of classified information in Slovenia ("top secret" level), currently I have national and EU clearance for "SECRET UE/EU SECRET" level. |

| Driving licence | Category B |
|---|---|

## ADDITIONAL INFORMATION

▪ Author of monographs (available at https://telefoncek.si/predavanja/):

▫ KOVAČIČ, Matej. Zasebnost na internetu / Privacy On the Internet, (Zbirka Politike). Ljubljana: Mirovni inštitut, Inštitut za sodobne družbene in politične študije, 2003. 111, 105 str. ISBN 961-6455-09-5;

▫ KOVAČIČ, Matej. Nadzor in zasebnost v informacijski družbi : filozofski, sociološki, pravni in tehnični vidiki nadzora in zasebnosti na internetu [Surveillance and privacy in the information society: philosophical, sociological, legal and technical aspects of control and privacy on the Internet], (Znanstvena knjižnica, 55). Ljubljana: Fakulteta za družbene vede, 2006. 268 str., graf. prikazi. ISBN 961-235-242-9;

▫ KOVAČIČ, Matej, Linux na namizju [Elektronski vir] : uporaba Ubuntu Linuxa na namiznem računalniku / [Linux on the desktop [electronic resource]: use of Ubuntu Linux on the desktop] Matej Kovačič. - El. knjiga. - Ljubljana : samozal. M. Kovačič, 2010. ISBN 978-961-245-959-8. <http://dk.fdv.uni-lj.si/ek/pdfs/ek_kovacic_2010_Linux_na_namizju.pdf>.

▪ Author of several other original scientific, professional and other articles and presentations (more than 250 bibliographic units at COBISS Platform (Co-operative Online Bibliographic System and Services)).

▪ Leading development and maintaining of Supervizor application (web application for monitoring expenses of Slovenian budget users <http://supervizor.kpk-rs.si/>) and system for electronic reporting and analysis of assets declaration and restrictions of business activities due to conflict of interest (application is now renamed to Erar - <https://erar.si/>).

▪ Performed financial flow analysis of Slovenian budget users in order to detect corruption risks (for more info see: https://telefoncek.si/static/2016/06/Supervizor-IJS_2016_ENG.pdf, page 14 on).

▪ Technical development and support of a Spletno oko, website for reporting child pornography and hate speech on the internet <http://spletno-oko.si/en/>.

▪ Writing a blog (professional articles) about information security, digital forensics, cryptography IT law, human rights and technology (in Slovenian language) <https://telefoncek.si>.

▪ In 2015 there has been recorded a documentary movie about hackers in Slovenia, called Hekerji.si (http://www.hekerji.si/). Movie is partially based on my research on cybercrime and I also appear in a movie.

▪ In 2005 and 2006 was member of the research group (and co-author of research report) of the Institute of Criminology at the Faculty of Law working on a research project Cyber-crime - the emergence of new criminal offences [Kiber-kriminaliteta – pojav novih kaznivih dejanj].

▪ Between 2006 and 2008 I was a member of the research group (and co-author of research report) of the Peace Institute working on a research project Management of copyright and related rights in the digital environment [Upravljanje avtorskih in sorodnih pravic v digitalnem okolju].

▪ In study year 2017/2018 I participated in teaching course New technologies in social science research (postgraduate Erasmus students at Faculty of Social Sciences).

▪ From 2018 I am organizing Infosec seminary (<https://infosec-seminar.si/>), with monthly lectures about information security, cyber defence, cybercrime and digital forensics. Lectures are video recorded and available online at Videolectures.net portal.

ANNEXES