



Matej Kovačič


Gender: male

Year of birth: 1974

Nationality: Slovenian

CONTACT

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WORK EXPERIENCE

5/2020 – present

Researcher at International Research Centre on Artificial Intelligence (IRCAI)

Currently part of Jožef Stefan Institute, Jamova 39, SI-1000 Ljubljana, Slovenia

Research institution under auspices of UNESCO

- Project management
- Research and development

2018 – 2023

Senior Lecturer of Information Security

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

Academic institution

- University lecturer

5/2014 – 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

Research institution

- Project management
- Research and development
- Education and training

10/2019 – 12/2020 (complementary employment)

Area of Sales and Development of Information Services

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

Government owned institution

- Member of research group

8/2014 – 7/2017 (complementary employment)

Researcher

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

Research institution

- Member of research group of Institute for Criminology
- Criminology research

WORK EXPERIENCE (continued)

11/2010 – 8/2014

Head of Analytics, Intelligence and Information Security

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

Government institution

- Information security and compliance with data protection legislation
- Statistical analysing of data (especially financial data 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).

10/2000 – 11/2010

Researcher and Teaching Assistant

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

Academic institution

- University lecturer
- Scientific research
- Social surveys and statistical analysis of data
- IT support (maintaining computer networks and servers)
- Working on European Safer internet plus programme

EDUCATION AND TRAINING

1995 – 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

2000 – 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)

LANGUAGE SKILLS

MOTHER TONGUE: Slovenian

Other languages:

English

Listening	Reading	Spoken interaction	Spoken production	Writing
C2	C2	C2	C2	C2

Serbian/Croatian

Listening	Reading	Spoken interaction	Spoken production	Writing
B2	B2	B2	B2	B1

German

Listening	Reading	Spoken interaction	Spoken production	Writing
A2	A1	A1	A1	A1

Macedonian (македонски јазик)

Listening	Reading	Spoken interaction	Spoken production	Writing
C1	B1	B2	B2	B1

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 (including European H2020 research project), open source development projects and coordinating Commission for the Prevention of Corruption's IT projects.
- 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 at Faculty of Social Sciences, development and deployment of analytical software applications, responsible for consolidation of Commission for the Prevention of Corruption's IT systems).
- Web development (webmaster and maintainer of several web pages).
- Open source migration (experience in advising and migration to open source software).
- Development of Arduino based sensor systems and prototyping electronics.
- IoT development with RaspberryPi and other ARM-based computer boards.

Cyber security and digital forensics, especially in the area of security of electronic communication, mobile and network security, implementation of encryption technology and security mechanisms, mobile and network forensics.

- Education and lecturing.
- Digital skills and science workshops for children (organised by Codeweek Slovenia) and workshops “School of experimental chemistry” organised by Slovenian Association of Chemistry Lovers and Jožef Stefan Institute.

DIGITAL SKILLS

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

PAST ACHIEVEMENTS

- Advisory on IT law related issues (helping with changes of Criminal Procedure Act regarding investigations of electronic devices and 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).
- Guest lecturer at course “New technologies in social science research” at Faculty of Social Sciences, University of Ljubljana in study year 2017/18 for postgraduate Erasmus students.
- Lecturing data protection, privacy, information security, IT legislation and cybercrime at various Slovenian faculties (University of Nova Gorica, 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).
- Lecturing on seminars about digital forensics and cybercrime for Slovenian investigating judges and other judicial workers.
- Participating in a “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.
- Participating in a workshop “Technical aspects of interception of communications”, organised by Geneva Center For the Democratic Control Of Armed Forces. Project Macedonia in 2022.
- Developed 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 2018.
- 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 the past I have successfully completed background check and got security clearance for access to the highest level of classified information in Slovenia (“top secret” level) and national and EU clearance for “SECRET UE/EU SECRET” level.

ADDITIONAL INFORMATION

- Author of four monographs (freely available at <https://telefoncek.si/predavanja/>):
 - KOVAČIČ, Matej. **Crash course on cybersecurity: a manual for surviving in a networked world**. E-book, 90 pages, year of publishing: 2022, ISBN: 978-961-7025-24-8 (PDF).
 - 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>.
 - 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. **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;
- 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 of Supervisor application (web application for monitoring expenses of Slovenian budget users, now known as Erar <<https://erar.si/>>) and system for electronic reporting and analysis of assets declaration and restrictions of business activities due to conflict of interest for the Commission for the Prevention of Corruption.
- Performed financial flow analysis of Slovenian budget users in order to detect corruption risks and violations of business restrictions for the Commission for the Prevention of Corruption.
- Technical development of system for reporting and investigating child pornography and hate speech on the internet for a "Spletno oko" project <<https://www.spletno-okno.si/>>.
- I have been a member of the research group of the Institute of Criminology at the Faculty of Law in 2005 and 2006, working and co-authoring a research report "Cyber-crime - the emergence of new criminal offences" ("Kiber-kriminaliteta – pojav novih kaznivih dejanj"). The documentary movie "Hekerji: The Hackers", 2015, 52m, about hackers in Slovenia is partially based on my research on cybercrime and I also appear in a movie. (Available at <<https://www.hekerji.si/>>).
- I have been a member of the research group of the Peace Institute working between 2006 and 2008, working and co-authoring a research project "Management of copyright and related rights in the digital environment" ("Upravljanje avtorskih in sorodnih pravic v digitalnem okolju").
- In 2018 have organized a series of cybersecurity lectures and workshops called "Infosec seminary" (<<https://infosec-seminar.si/>>), covering information security, cyber defence, cybercrime and digital forensics. Lectures are video recorded and available online at Videlectures.net portal.
- Writing a blog about information security, digital forensics, cryptography IT law, human rights and technology (mostly in Slovenian language) <<https://telefoncek.si>>.
- My Github account: <<https://github.com/MatejKovacic>>.