



**Date of birth;** Aug. 2<sup>nd</sup>, 1991

**Email:** [jovana.jovic@metropolitan.ac.rs](mailto:jovana.jovic@metropolitan.ac.rs)

**LinkedIn:** [www.linkedin.com/in/jovanajovic](http://www.linkedin.com/in/jovanajovic)

**Skype:** jovana\_jovic\_91

## MSc JOVANA JOVIĆ

### EXPERIENCE

#### **TEACHING ASSISTANT, FACULTY OF INFORMATION TECHNOLOGY, BELGRADE METROPOLITAN UNIVERSITY**

Oct. 2015 - present

Courses: CS101 Introduction to Object-Oriented Programming, CS102 Objects and Data Abstraction, SE201 Introduction to Software Engineering and SE311 Software Architecture.

#### **SOFTWARE ENGINEER AND DEVELOPER, BELGRADE METROPOLITAN UNIVERSITY, BUSINESS EDUCATIONAL CENTER IN NIŠ**

Nov. 2015 - present

Responsibilities:

- Software architecture design, development and maintenance of various software systems.
- **Mentor** to Innovative Software Technology (IST) scholarship students.
- Agile project management based on Scrum methodology.

#### **RESEARCHER**

Mar. 2018 - present

Project III 044006, "Development of new information and communication technologies, based on advanced mathematical methods, with applications in medicine, telecommunications, power systems, protection of national heritage and education", Ministry of Education, Science and Technological Development, Republic of Serbia.

Research areas: personalized and adaptive learning, artificial intelligence, object oriented design and programming, machine learning, software architecture and quality.

#### **LECTURER, BELGRADE METROPOLITAN UNIVERSITY, BUSINESS EDUCATIONAL CENTER IN NIŠ**

Jan. 2018 – July 2018

RFP 510 Serbia at your fingertips – Digital transformation for development – "UNDP retraining program".

#### **LECTURER, BELGRADE METROPOLITAN UNIVERSITY, BUSINESS EDUCATIONAL CENTER IN NIŠ**

Oct. 2017 – Oct. 2019

ERASMUS+ Project "Introduction of part-time and short cycle studies in Serbia".

**TEACHER, METROPOLITAN IT HIGH SCHOOL, BUSINESS EDUCATIONAL CENTER IN NIŠ**

Sep. 2018 – Sep. 2019.

Courses: C Programming.

**SOFTWARE DEVELOPER, CERAiT Inc. TORONTO, CANADA (REMOTE)**

Mar. 2015 – Jan. 2019

Responsibilities:

- Developing iOS mobile applications by using Objective C programming language.
- Developing and maintaining Drupal web applications.
- Working with senior developers to plan and manage large, complex projects for corporate clients.
- Carrying out quality assurance tests to discover errors and optimize usability.

**FREELANCE DEVELOPER**

2014 – Mar. 2015

Various projects.

---

**EDUCATION**

**PHD STUDIES, FACULTY OF INFORMATION TECHNOLOGY, BELGRADE METROPOLITAN UNIVERSITY**

Oct. 2015 – present

Field: Software Engineering.

PhD area: Personalized eLearning, machine learning and artificial intelligence.

PhD Thesis Supervisor: Dragan Domazet, Professor Emeritus, Belgrade Metropolitan University.

**MSc STUDIES, FACULTY OF ELECTRONIC ENGINEERING, UNIVERSITY OF NIŠ**

Oct. 2014 – Sep. 2015

Field: Software Engineering.

GPA: 10.00/10.00

MSc Thesis: "Methods and tools for ensuring e-business security".

MSc Thesis Supervisor: Vladan V. Vučković, Full Professor, University of Niš.

**BACHELOR STUDIES , FACULTY OF ELECTRONIC ENGINEERING, UNIVERSITY OF NIŠ**

Oct. 2010 – Sep. 2014

Field: Electrical Engineering and Computer Science.

GPA: 9.04/10.00

BSc Thesis: "Classification of movement data concerning user's mobile activities" BSc Thesis Supervisor: Dragan H. Stojanović, Full Professor, University of Niš.

---

**SKILLS & ABILITIES**

Programming languages:

- Java, Python, PHP, C/C++, Objective C

Tools:

- Jira, Git, PowerDesigner/VisualParadigm, MS Project.

Frameworks:

- Apache Tapestry, Spring, Spring Boot, Hibernate, Flask, Django

Databases:

- Relational databases (MySQL, Oracle SQL, PostgreSQL), NoSQL (MongoDB, Cassandra, Neo4j)

Markup & style:

- HTML/HTML5, CSS (Ruby SASS), Bootstrap

I also worked with:

- JavaScript, TypeScript, Node.js/Express, Laravel, C#, Android SDK, Tomcat, Nginx

---

COMMUNICATION

- Serbian
- English

---

REFERENCES

- V. Milićević, N. Zdravković , **J. Jovic**, “Novi matematički model za softversko rešenje modifikovanog transportnog sistema,“, 10<sup>th</sup> International conference on social and technological development – STED 2021. Trebinje, Jun 2021.
- A. Joshua Jafferson, V. Ponnusamy , **J. Jovic** , M. Trajanovic, “An IoT based Cloud EEG Signal Analytic Framework for Thought to Text Mapping,“, IEIE Transactions on Smart Processing and Computing, vol. 1, no. 1, (accepted).
- V. Milicevic, **J. Jovic**, N. Zdravkovic, “An overview of Hyperledger blockchain technologies and their uses,“, in Proceedings of the 11th International Conference on Information Society and Technology (ICIST 2021), Mar. 2021.
- D. Domazet, **J. Jovic**, M. Damnjanovic and V. Grkovic, “Značaj Informacionog sistema Univerziteta Metropolitan u obrazovnom procesu,“ (The importance of the Metropolitan University Information System in its educational process), in Proceeding of the TREND 2020 Conference, Feb. 2020
- **J. Jovic**, M.Raspovic Milic, S. Cvetanovic, N. Gavrilovic, D. Domazet, R. Nikolic, E. Silvana Vejar, “Intelligent Recommender System for Personalized Online Learning”, Proceedings of the 11th International Conference on eLearning (eLearning-2020), Belgrade Metropolitan University, Open Universiteit Netherlands, Mathematical Institute SANU, Belgrade, Serbia, 24. - 25. Sep, 2020.
- **J. Jovic**, D.Domazet, M. Raspovic Milic, K. Chandra “ Student model in intelligent tutoring systems - a systematic review”, Proceedings of the 11th International Conference on eLearning (eLearning-2020), Belgrade Metropolitan University, Open Universiteit Netherlands, Mathematical Institute SANU, Belgrade, Serbia, 24. - 25. Sep, 2020.
- N. Zdravkovic, **J. Jovic**, M. Damnjanovic, “ Secure Credentialing in e-Learning using Blockchain”, Proceedings of the 11th International Conference on eLearning (eLearning-2020), Belgrade Metropolitan University, Open Universiteit Netherlands, Mathematical Institute SANU, Belgrade, Serbia, 24. - 25. Sep, 2020.
- V. Grkovic, **J. Jovic**, N. Zdravkovic, M. Trajanovic, D. Domazet, and V. Ponnusamy, “Usage of Blockchain Technology for Sensitive Data Protection –

Medical records Use Case,” in Proceedings of the 10th International Conference on Information Society and Technology (ICIST 2020), Mar. 2020.

- **J. Jovic**, N.Gavrilovic, D.Domazet, “Intelligent Tutoring Systems: a systematic review”, Proceedings of the 10th International Conference on eLearning (eLearning-2019), Belgrade Metropolitan University, Open Universiteit Netherlands, Mathematical Institute SANU, Belgrade, Serbia, 26. - 27. Sep, 2019.
- **J. Jovic**, S. Cvetanovic, M. Raspopovic Milic, K. Chandra, “Implementation of machine learning based methods in eLearning systems”, Proceedings of the 10th International Conference on eLearning (eLearning-2019), Belgrade Metropolitan University, Open Universiteit Netherlands, Mathematical Institute SANU, Belgrade, Serbia, 26. - 27. Sep, 2019.
- D.Domazet, N.Gavrilovic, **J. Jovic** , “Efficiency of development of eLearning materials based on learning objects”, Proceedings of the 10th International Conference on eLearning (eLearning-2019), Belgrade Metropolitan University, Open Universiteit Netherlands, Mathematical Institute SANU, Belgrade, Serbia, 26. - 27. Sep, 2019.
- N.Gavrilovic, D.Domazet, **J. Jovic** , “Collaborative learning with real-time learning interventions ”, Proceedings of the 10th International Conference on eLearning (eLearning-2019), Belgrade Metropolitan University, Open Universiteit Netherlands, Mathematical Institute SANU, Belgrade, Serbia, 26. - 27. Sep, 2019.
- **J. Jovic**, D.Domazet, “Evaluation of Pilot Online Short Cycle Program “Programming in Java””, Proceedings of the 9th International Conference on eLearning (eLearning-2018), Univerzitet Metropolitan, Open Universiteit Netherlands, Matematički institut SANU, Beograd, Srbija, 27. - 28. Sep, 2018.
- **J. Jovic**, S. Cvetanovic, M. Raspopovic Milic, K. Chandra, “Authoring Tool for Ontology Development for Online Learning”, Proceedings of the 9th International Conference on eLearning (eLearning-2018), Univerzitet Metropolitan, Open Universiteit Netherlands, Matematički institut SANU, Beograd, Srbija, 27. - 28. Sep, 2018.
- **J. Jovic**, S. Cvetanovic, M. Raspopovic Milic, K. Chandra, “Integration of Social Learning Environment and Ontology-Based System for Retrieval of Learning Objects”, Proceedings of the 8th International Conference on eLearning (eLearning-2017), Univerzitet Metropolitan, Open Universiteit Netherlands, Matematički institut SANU, Beograd, Srbija, 28. - 29. Sep, 2017.
- **J. Jovic**, S. Cvetanovic, M. Raspopovic, System for Learning Objects Retrieval in Ontology-based Database CourseSystem for Learning Objects Retrieval in Ontology-based Database Course, Proceedings of the 7th International Conference on eLearning, Univerzitet Metropolitan, Open Universiteit Netherlands, Matematički institut SANU, Srbija, Sep. 2016.