





IGOR JOVANOVIĆ


Senior IT Consultant

An experienced software engineer with full-stack capabilities and a proven track record in the engineering and architecture of modern big-data solutions.

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EDUCATION

Vrije Universiteit Amsterdam

*MSc of Finance (minor econometrics)
(GPA – 7.5)*

The University of Belgrade, Faculty of Economics

BSc Hons. Finance, banking, and insurance (GPA - 9.18)

LANGUAGES

Proficient: • English (TOEFL iBT test score 98/120) • Serbian

Intermediate: • Dutch (B1)

SKILLS

• IT Skills:

- **The main focus:** MarkLogic Server with all its components and functionalities inclusive architecture and solution engineering;
- Advanced skills in the following programming environments– XQuery, XPath, JavaScript, PHP, Python, Java, MySQL, NoSQL, NativeScript, VBA, Stata, MS Access, R
- Web-based programming/scripting languages: HTML, CSS, React, VueJS, Angular;
- Editors: Notepad, Sublime, Atom, Visual Studio Code, IntelliJ, Sublime, Eclipse;
- CI/CD: Git, SVN, Gradle, Maven, Jenkins, BitBucket, REST services, ODBC, Apache NiFi, Swagger API, SoapUI, XLDploy, Batch processes, Data streaming;
- Data analytics: Power BI, Tableau, Microstrategy, Qlik, Knowi;
- Data structures/sources: JSON, XML, CSV, XSD, TDE Schemas, XSLT, semi-structured, unstructured data sources, Oracle MySQL, MarkLogic & DHF/DHS
- Emerging technologies: AI and machine learning, ETL, Pipelines, Cloud computing & cloud technologies, AWS & Azure;
- Security: Kerberos, LDAP, ActiveDirectory;
- OS: Linux (RedHat/SuSE/Ubuntu), Windows, macOS;
- Other platforms/software: WordPress, IBM Connections + Lotus Notes, Confluence, Cascade, SharePoint, Jira, SSH/FTP;

• **Communication skills:** Strong communication skills and team-lead capabilities; Critical approach to resolving big-data problems including solution refinement and clear communication of the solution spectrum; Strong presentation skills

• **Organizational skills:** Excellent organizational and time management skills, strong analytical skills, responsible, persistent, creative, able to work within time-sensitive deadlines and under pressure, operates well in the multicultural work environment

• **Driving license:** B

EXTRACURRICULAR ACTIVITIES

- “Building XQuery applications with MarkLogic” seminar 21.02 – 24.02.2018, Den Haag
- Conference and workshop on machine learning and AI by GOOGLE (November 2017)
- First monetary prize (among 30 participants selected by top GPA score criterion) in order book based trading exercise (June 2016)
- First prize, International Economic Student Summit 2015 (October 2015) Case Study „Youth Friendly Banking Products“, sponsored by Vojvođanska Banka (National Bank of Greece)
- Seventh place of 50 teams, Ernst & Young (Dec 2014) Case Study: „Learn Today Lead Tomorrow“
- First place, Professional Competition (April 2014) „How to initiate Serbian Economy“, Faculty of Economics University of Belgrade
- Student Parliament (2011-2012)

PERSONAL INTERESTS

- Full marathon - 42KM - (the best time 04:10:11)
- Half-marathons - 21KM - (the best time 01:50:52) and mountain running
- Played soccer for the best local football club – FK Napredak (2003-2010)
- Three years of intensive karate training
- Red Cross blood donor and a member of Association of emergency situations (floods, etc.)
- Chess

WORK EXPERIENCE

Senior IT Consultant – MarkLogic | 2019 - Present | Utrecht, NL

Working on the clients’ projects by providing the development, solution architecture services as well as the education and training of the internal team. Exposure to the international work environment and common travels to the destination of the clients. Full-stack programming scope.

- **Project: APG Pension Fund (NL)**

- AMDP/RDS regulatory reporting custom applications project
- Cluster performance and optimization analysis including the reporting on the weak points
- Engineered and implemented a reconciliation system to track the queue status of the data processing
- Design and implementation of custom TDEs and numerous REST services that supply the UI with the data
- Pool size and performance optimization
- Critical defects resolution
- Developed and implemented multi-application environment deployment
- Application security analysis and security Matrix construction
- Internal team education, onboarding, and training
- Lead from MarkLogic company side

- **Project: Credit Suisse Bank (Switzerland)**

- Contributed to Data Hub Framework 4.x project
- Built additional REST service in accordance with the regulatory requirements
- Helped troubleshoot and pinpoint MarkLogic Server performance issues

- **Project: Smith & Nephew (UK)**

- Built ingestion and harmonization flows for Data Hub Framework
 - Engineered the data pipeline including NIFI flows
 - Impact analysis of migration from MarkLogic Data Hub Framework 4.x to MarkLogic Data Hub Framework 5.x
 - REST APIs architecture and Swagger documentation
 - Implemented custom REST services on the backend
 - Lead within Inbound data team
 - Internal team education about MarkLogic Server
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WORK EXPERIENCE

IT Development Engineer – ABN AMRO Bank |

2018 - 2019 | Amsterdam, NL

- Data warehouse project based on MarkLogic DataHub Framework
- Assisted in building the complete solution including the architectural overview and the solution refinement/selection
- Helped with the pipeline building via NIFI and the data orchestration (ETL)
- Engineered and implemented REST services and ODBC connection so that the data can be accessed via PowerBI
- Proof of concept of LDAP and MarkLogic external security
- Data Hub Framework 4.x to 5.x migration PoC
- An internal lead of the project

Data Quality Engineer – ABN AMRO Bank |

2017 - 2018 | Amsterdam, NL

- Built an internationally used VBA application for collecting the data from foreign branches for management reporting purposes
- Developed VBA/SQL application for writing the transaction data to the database based on the requirements from DNB (DNB - De Nederlandsche Bank)
- Created TrendAnalysis tool for automatic tracking clients' income statement and balance sheet positions over time

Web Developer – Fiverr Freelance | 2008 - present

- Programmed and developed hundreds of different websites across various web platforms
 - 688 positive reviews from international clients available at <https://www.fiverr.com/igordr>
 - Average 5/5 stars rating
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