

## JOB DESCRIPTION FOR A SYSTEM ARCHITECT

### Aim of the position

- Design, realisation and implementation of information systems in accordance with instructions received from the immediate supervisor, project manager or analyst and with personal responsibility and rights

<b>Main tasks and areas of responsibility</b>	<b>Results</b>
Upon necessity, realisation of very complex and business critical components and systems	<ul style="list-style-type: none"> <li>▪ Operational, tested and documented information system, which corresponds to norms</li> </ul>
During the project, making decisions on data structure, algorithms and design of databases, types and interfaces of framework components of the development project	<ul style="list-style-type: none"> <li>▪ Operational, effective architecture and design</li> </ul>
Review of the code produced by other developers, quality check of the code produced by other project team members and ensuring its conformity with the architecture chosen during the project	<ul style="list-style-type: none"> <li>▪ The code's quality which corresponds to standards/requirements</li> </ul>
Supervision and management of junior developers and developers	<ul style="list-style-type: none"> <li>▪ Swift development of any (junior) developer under supervision and his/her satisfaction</li> </ul>
Code integration	<ul style="list-style-type: none"> <li>▪ Correctly integrated code</li> </ul>
Organisation of the work distribution of programmers and preparation of technical tasks	<ul style="list-style-type: none"> <li>▪ The work allocation of developers is effective and supports the achievement of the project's goals</li> </ul>
Maintenance and development of client relations	<ul style="list-style-type: none"> <li>▪ Proper interaction with clients and satisfied clients</li> </ul>
Upon need, installation of testing and product environments, incl. clusters (application servers, proxy plug-ins, web servers, OS configuration) for applications	<ul style="list-style-type: none"> <li>▪ Testing and product environments have been installed by the agreed deadline</li> </ul>
During the project, making technological decisions, development and documentation of architectural and design solutions for information systems and related communication to teams	<ul style="list-style-type: none"> <li>▪ Thorough and exhaustive architecture and design documentation, informed team</li> </ul>

Upon need, technical/general management of a medium-sized or large project (allocation of tasks, checking the realisation of tasks and adherence to deadlines, having an overview of the project)	<ul style="list-style-type: none"> <li>▪ Work results are submitted by deadline and correspond to quality standards</li> <li>▪ Motivated project team</li> </ul>
Supervision and consultation of members of the technical team, concerning architecture and design, for achieving the goals of the project	<ul style="list-style-type: none"> <li>▪ Motivated and competent development team</li> </ul>
Project team training according to architecture chosen for during the project	<ul style="list-style-type: none"> <li>▪ The level of members of the project team meets expectations</li> </ul>
Client relations concerning design and architecture issues	<ul style="list-style-type: none"> <li>▪ Proper interaction with clients and satisfied clients</li> </ul>
Participation in the drafting of offers	<ul style="list-style-type: none"> <li>▪ Technical part (both contents and form) of offers is of high quality; time, work volume and number of works in the area of responsibility are correctly assessed</li> </ul>
Participation in the development and implementation of the systems development methods applicable in the company, awareness of new technologies and tools and development and implementation of new technologies	<ul style="list-style-type: none"> <li>▪ Standard for the systems development method has been agreed upon</li> </ul>
Storing knowledge of his/her field and ensuring its distribution in the organisation	<ul style="list-style-type: none"> <li>▪ Knowledge about the field has been documented and is available</li> </ul>

### Rights

- To represent the company, at the permission of the project manager or senior analyst, within the scope of his/her field of responsibility by harmonising one's communication with the standards established in the company and by sending a copy of the communication to the project manager;
- To decide upon solution options within the scope of standards, as defined in the contract (project) and applicable in the company;
- To receive necessary information and training to achieve one's work results;
- To make recommendations for adopting new methods, standards and tools;
- To be constantly informed of decisions taken by the lead and project group, as well as of the status of the project.

### Responsibility

- Obligation to preserve and protect the company's assets (incl. methods and licensed development tools);
- Obligation to observe data protection requirements established in the company;
- Obligation to use the professional and business information obtained from the client and to observe the protection requirements of the client's data in strict compliance with the terms and conditions of the agreement.

## Requirements for position

- Higher education in the field (may be in progress);
- Very profound professional knowledge about common programming languages and database engines;
- Knowledge about at least 3 different software development methods, incl. profound knowledge and practical experience with at least one method;
- Knowledge about release management;
- At least 5 years of previous professional work experience;
- Successful experience in working as a key participant in developing architectural solutions for at least 2 different customers: compilation and realisation of an architecture;
- Knowledge about the client's business (is able to understand the client's business, asks right questions and draws correct conclusions based on information);
- Good persuasion and sales skills (can defend his/her architecture in front of the customer and the project team);
- Knowledge and practical experience about the PKI work;
- High productivity and work quality;
- Initiative and drive to achieve set targets;
- Openness to new knowledge and experiences;
- Good communication skills;
- Ability to work under stress and pressure.

## Language skills

- Very good command of oral and written Serbian;
- Very good command of oral and written English;