

particular industry, the increase in the popularity of certain technologies, the emergence of new trends.

For the development of this application a standard set of software and technologies for was used. The project is an application in the Java programming language (JSE 8, JEE 7). Integrated development environment Eclipse Neon (latest stable) with plugins: JBoss Tools, Vaadin and DBEaver.

Framework Vaadin 7.7.6 was used to develop a user interface. Apache Tomcat 9.0 is an application Server. It is an open-source Java Servlet Container. PostgreSQL 9.6 was selected as the database for storing the application information.

To build the project Apache Maven 3.3.9 was used. It is a framework for automating the assembly of projects specified in the XML-language of a project object model (POM). Maven can manage a project's build, reporting and documentation from a central piece of information.

SCRUM – the leading agile development methodology – was chosen as the development process. SCRUM is an agile way to manage a project, usually software development.

At the moment the application is on the test stage. Results of this stage implementation are discussed in the report.

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FUNCTIONAL OPPORTUNITIES OF AN APPLICATION FOR THE ANALYSIS OF THE LABOR MARKET FOR THE COMPANY «IBA GOMEL»

Рассматриваются функциональные возможности приложения, позволяющего визуально отслеживать тенденции изменения рынка труда и прогнозировать спрос на различные должности. Данное приложение позволяет повысить эффективность работы менеджеров за счет использования веб-технологий.

Developed web application is designed for visualizing the results of processing of labor market positions. Through this application managers of the company can identify new trends, find job offers (title, description and requirements, labor demand).

Labor market information is a valuable resource for companies that are interested in qualitative development. It can be used in making decisions for marketing, determining the available labor pool, hiring staff, paying wages or

expanding business. Labor market exploration is the main stage of the planning process for any company.

Labor market information can be obtained from a number of public sources. While these sources are published for free, the data often require a good deal of time and effort before they can be called useful information. Therefore, developed application collects information from various sources, such as LinkedIn, StackOverflow, etc. Managers of the company in the preparation of specialists don't have to watch a lot of sources of information on the Internet and self-organize the data for further analysis – all this will make an application for them. So they can receive information about changes in the labor market without the need to visit all the sites with information about the work.

Application has means to organize data. It ensures comfortable access to information about available vacancies in the labor market. With the help of application manager is able to analyze the data to have opportunity to make a plan for the further development of the company and deliver timely and reliable labor statistics to improve economic decision-making.

Solution is a system that intelligently stitches together various pieces of information, in an attempt to yield the most accurate and comprehensive picture possible. Moreover, this system provides fast and easy access to data with time-saving features.

Application can provide analysis of labor market data: the increase or decrease in demand for a particular position for a certain period, change of wages in a particular industry, the increase in the popularity of certain technologies, the emergence of new trends.