Greetings,

I live in Berlin. I have been in the software industry for 16 years. For the last 11 years, I have specialized in manufacturing execution systems MES (Manufacturing Execution System). I had very important projects. I have knowledge in many areas such as production, efficiency, quality and maintenance. I was chosen as the most reliable and stable person in my team. I analyze people's needs well, I work in a planned and efficient manner, I write the code that will work.

The code written should fully meet the needs. It is necessary to find the most effective solution to solve many complex problems. Whatever the need is, I do analysis, project management, writing code, and testing.

If you give me a software tool, I will develop it, meet the needs; that's the best thing I know.

MES titles I am interested in;

.Materials Requirements Planning

.Manufacturing Master Data

.Manufacturing Workorder Processing

.Production Statistics

.Capacity Requirements Planning

.Laboratory and Inspection Control

.Quality Management

.Product Data Management

.Product costing

.Interfaces to MES systems

At the company where I work now, we developed a MES software called MAS + (Manufacturing Automation System). Name resemblance is very nice isn't it :)

I can briefly summarize the work stages I have done as follows:

After determining the hierarchical structure from the factory definition to the smallest business center, we associate the signal outputs of the machines with Siemens PLC inputs. Thus, we collect the production and stop signal. We usually use the SIMATIC S7-1200 to do this.

We write integration services that receive fixed definitions from the ERP system. Our goal is to achieve the purpose of our ERP or web service. We draw work orders in ERP. In this way, operators can log in from MAS screens and start the work order.

Operators can start and finish from the field, record scrap or rework, measure quality, make maintenance negotiations.

We create a tracking system by issuing barcodes for the products produced. Labels can be based on the product or package. Barcodes scanned in the next process provide retrospective traceability.

The status of all work centers in the factory can be monitored instantly. Elements that prevent efficient work can be reported instantly. The continuity of quality production is measured.

When the production is finished, the produced data is transferred back to the ERP system as desired.

Data can be easily reported and sent to relevant people via e-mail.

Thus, production continuity is provided without any problems in order to reach the factory targets.

We provide the software development life cycle, that is, all the stages our software product goes through both during production and customer use. I know your every step. We were using Delphi 7 while doing these. Our database is MSSQL. As a Windows application, we set up kiosks in the field. We were managing the code with TortoiseSVN. Then we moved to Delphi 10 Seattle - Embarcadero. Our old projects were customer specific. They were specially adapted and had many non-standard features. For this reason, project durations have been extended. Over the years, the projects became unsustainable due to the increase in the number of projects and the high number of special adaptations. We also made an important decision. First of all, we aimed to bring our product to the web environment. While moving to the web, we started standardization studies by going over the features. We named our new web version MAS 4.0 because it includes Industry 4.0 capabilities. At the end of the time we targeted, we had 40 4.0 customers. We also upgraded our 20 old customers. We were able to manage nearly 100 customers from a single code. We now have an advanced product that can be accessed from any web device written in C#.

We manage the code with Git. We started using NodeJS, MongoDB, Redis. We scrum every morning with Slack. Instead of the jira we used to use for customer management, we now use the ticket system we wrote. We use jenkins and octopus for update and version management. This change turned us into a corporate software company. Many customers now choose us for smart factory conversions. As a team member who has successfully passed these change processes, I am proud of my team and myself.

Continuous work is a source of motivation for me. The effort to constantly improve the current situation is my life philosophy. That's why I enjoy creating software that improves people's lives.

I'm married. I have a 4-year-old daughter. Its name is "The Sun". My wife, Ms. Merve, is a social worker and loves to travel and discover new places. We believe that life in Germany will add value to Güneş's education, my wife's happiness and my software knowledge. That's why we live in Germany.

I want to give my company an advantage by making a difference in my team.

Best Regards,

Murat Uzgur