

VADIM BELOV

SOFTWARE ENGINEER

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SUMMARY

I am a detail-oriented software engineer with extensive experience in system administration and software development. I have designed and implemented complex backend services and developed front-end components, significantly improving company operations.

SKILLS

- **.NET:** C#, .NET Framework, ASP.NET Core, MVC, Web API, WinForms and WPF, Blazor, Microservices Architecture, SignalR, Razor Pages, OOP, Design Patterns, Unit Testing.
- **Database:** SQL Server, EF Core, LINQ, Database Design, SQL Queries, Stored Procedures, Triggers, Indexing, Data Migration, Backup and Recovery, NoSQL (Redis), T-SQL, PostgreSQL, MSSQL, MySQL.
- **Web:** HTML/CSS, JavaScript, AJAX, RESTful APIs, React, Bootstrap, jQuery, TypeScript, WebSockets, OAuth/OpenID, Responsive Web Design, Cross-Browser Compatibility, Progressive Web Apps (PWAs), Service Workers, Single Page Applications (SPA), WebAssembly, XML/JSON Parsing.
- **Tools and Platforms:** Visual Studio, VS Code, Git, Docker, Azure, CI/CD Pipelines (GitHub Actions, GitLab CI), PowerShell/Bash scripting, NPM, NuGet, YouTrack/Jira, Postman, Kafka/RabbitMQ, Elasticsearch, Prometheus/Grafana, gRPC, Linux.
- **Soft Skills:** Team Collaboration, Problem-Solving, Agile, Project Management, Leadership, Critical Thinking, Mentoring and Coaching, Startup Experience.

PROFESSIONAL EXPERIENCE

- | | |
|---|--------------------------|
| TMK | Remote |
| Senior Software Engineer | 11/2023 – 02/2024 |
| <ul style="list-style-type: none">• Saved over \$100,000 in inventory management by developing a production tracking system using cameras and AI.• Built the company's IT infrastructure from scratch - from network equipment to backend services and React UI.• Developed a pipe production tracking application using ASP.NET Core, React, and a mathematical model on C#, significantly reducing human labor and production downtime. | |
| TMK | Moscow, Russia |
| Software Engineer | 04/2021 – 11/2023 |
| <ul style="list-style-type: none">• Designed and implemented backend services using ASP.NET Core Web API, and frontend components with React, Blazor, and SignalR. | |

- Developed an OAuth authorization service using JWT/Refresh tokens to enhance security and streamline user authentication.
- Created an application for handling the storage and transmission of high-frequency signals, optimizing data processing efficiency.

T-DIRECT CALL CENTER

Moscow, Russia

Software Developer

09/2020 – 04/2021

- Developed C# applications in .NET/.NET Core to streamline call center operations and improve efficiency.
- Automated collection of statistics and data analysis from the database in Excel, enhancing decision-making processes.

T-DIRECT CALL CENTER

Moscow, Russia

System Administrator

04/2019 – 09/2020

- Maintained call center servers and network, minimizing downtime and enhancing productivity.
- Implemented security solutions, reducing the risk of data breaches.

EDUCATION

HUMANITARIAN-TECHNICAL UNIVERSITY

Rostov-on-Don, Russia

BE in Computer Software Engineering

2021 – 2022

COLLEGE OF INFORMATICS AND COMPUTER ENGINEERING

Moscow, Russia

AS in Computer Systems Networking and Telecommunications

2013 – 2017

PATENTS

PROGRAM FOR DETERMINING THE POSITIONS OF ROLLS OF A CONTINUOUS MILL IN THE PRODUCTION OF PIPES "ROLL POSITION"

RU 2024690777

12/17/2024

PROGRAM FOR CALCULATION AND ANALYSIS OF TECHNOLOGICAL PARAMETERS OF THE ROLLING PROCESS BASED ON PHYSICAL AND MATHEMATICAL MODELS

RU 2021663399

08/16/2021

HONORS AND AWARDS

INTERNATIONAL FORUM HORIZONS-2021 - YOUTH SCIENTIFIC AND PRACTICAL CONFERENCE

First place in the "Business" section, subject of presentation: a mobile application for counting the number of pipes in difficult production conditions using computer vision technologies

WORK PERMISSON

Authorized to work in the United States for any company and period.