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**

- 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**

- 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.