VADIM BELOV

SENIOR SOFTWARE ENGINEER

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Objective

Dynamic and detail-oriented Senior Software Engineer with over 5 years of experience in developing scalable and reliable software systems. Eager to bring my expertise in .NET and React to enhance product development processes and deliver exceptional software solutions that meet and exceed user expectations.

Skills & abilities

- **.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/AWS, CI/CD Pipelines (GitHub Actions, GitLab CI), PowerShell/Bash scripting, NPM, NuGet, YouTrack/Jira, Postman, Kafka/RabbitMQ, Elasticsearch, Prometheus/Grafana, gRPC, HTTP concepts.
- **Soft Skills:** Team Collaboration, Problem-Solving, Agile, Project Management, Leadership, Critical Thinking, Mentoring and Coaching, Startup Experience.

Experience

TMK, REMOTE

Senior Software Engineer | 11/2023 – 01/2025

- 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

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

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

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
BE in Computer Software Engineering | 08/2021 – 01/2022 | Rostov-on-Don, Russia

MOSCOW COLLEGE OF INFORMATICS AND COMPUTER ENGINEERING
AS in Computer Systems Networking and Telecommunications | 09/2013 – 07/2017 | Moscow, Russia

Honors and awards

International Forum Horizons-2021 - Youth Scientific and Practical Conference

Subject of presentation: a mobile application for counting the number of pipes in difficult production conditions using computer vision technologies

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

Work Permission

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