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ELAHE RASOOLI

Full-Stack Software Engineer specializing in C#, ASP.NET Core, and SQL Server with experience building scalable web applications and backend systems. Strong in REST API development, database optimization, and responsive UI engineering, with a proven ability to improve system performance and reliability. Passionate about delivering clean, maintainable, and production-ready software solutions.

EDUCATION

Master of Computer Science

University of New Brunswick

Bachelor of Computer Engineering

K. N. Toosi University of Technology

SKILLS

Programming Languages: C#, JavaScript, SQL

Frameworks & Technologies: ASP.NET Core, ASP.NET MVC, ASP.NET WebForms, RESTful APIs (REST APIs), Entity Framework, Object-Oriented Programming (OOP)

Frontend Development: HTML5, CSS3, Bootstrap, jQuery, AJAX, Responsive Web Design

Databases : Microsoft SQL Server, Stored Procedures, Triggers, Database Design, Query Optimization

Tools & Workflow:: Git, GitHub, Visual Studio, VS Code, Agile, Scrum, Debugging, Unit Testing, Linux

WORK EXPERIENCE

–Xplore Inc.

May 2024 - Present

Technical Support Specialist

Fredericton, New Brunswick

- * Diagnosed and resolved complex issues across fiber, satellite, and wireless network systems
- * Documented technical issues and system behaviors, improving visibility for engineering and accelerating issue tracking
- * Analyzed network data and recurring cases to identify system-level problems and recommend improvements
- * Supported users across web applications, internal tools, and APIs, ensuring reliable service delivery

–University of New Brunswick

September 2022 – December 2023

Teaching Assistant

Fredericton, NB

- * Evaluated assignments and examinations, ensuring consistent and accurate grading aligned with course standards
- * Collaborated with the course instructor to refine instructional materials and improve clarity of technical content
- * Supported students during lab sessions by debugging code, explaining algorithmic concepts, and guiding problem-solving approaches

–Finocode

April 2022 – November 2022

Full-Stack Developer

Tehran, Iran

- * Developed full-stack web applications using ASP.NET MVC and C#, delivering production-ready features across frontend and backend
- * Designed and integrated SQL Server databases to support dynamic application functionality
- * Built responsive UI components using HTML5, CSS3, JavaScript, and Bootstrap for cross-device compatibility
- * Implemented RESTful APIs (REST APIs) to enable structured communication between frontend and backend systems
- * Wrote clean, maintainable C# code and performed unit testing to ensure stability and reduce defects

–SABAFAM

January 2019 – September 2020

Junior Backend .NET Developer

Tehran, Iran

- * Developed backend systems using ASP.NET WebForms and MVC for enterprise applications
- * Wrote and optimized SQL queries, stored procedures, and triggers to improve data handling and performance
- * Enhanced UI components using JavaScript, CSS, and Bootstrap to improve usability
- * Debugged backend logic and resolved system issues to maintain application stability
- * Contributed to code reviews and requirements analysis to maintain high code quality and ensure alignment with project specifications

RELATED PROJECTS

Portfolio Website

GitHub

E-Commerce Frame Customization Platform (FrameItLive)

GitHub

Job Application Assistant

GitHub

PUBLICATIONS

Prudent Carving: A Progressively Refining Algorithm for Shape Reconstruction from Dot Patterns

View Paper

The Journal of Supercomputing (Springer), 2024