

Karolina Mroz

Rotherham, UK | Remote-first Software Engineer

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PROFESSIONAL SUMMARY

Results-driven .NET Software Engineer with 3+ years of experience designing, developing, and optimizing secure, high-performance web applications. Strong background in C#, ASP.NET (WebForms & Core), SQL, and Azure. Proven ability to manage client-facing work, deliver scalable backend systems, and accelerate development using AI-assisted tools and automation. Passionate about clean architecture, security by design, and progressing toward software architecture roles.

TECHNICAL SKILLS

- Languages: C#, SQL, JavaScript, C++, Java
- Frameworks & Tools: ASP.NET (WebForms & Core), .NET Core, Entity Framework, Azure, Git, REST APIs
- Web Development: HTML, CSS, JavaScript, React, Vue.js
- Databases: SQL Server, Oracle, stored procedures, performance optimization
- Cloud & DevOps: Microsoft Azure (App Services, Azure SQL), CI/CD pipelines
- Security: ASP.NET Core Identity, Authentication & Authorization, Security by Design principles

PROFESSIONAL EXPERIENCE

Software Developer | Paloma Systems | Remote | Jan 2024 – Present

- Developing and maintaining scalable ASP.NET WebForms and .NET Core applications used by enterprise clients.
- Managing client work, gathering requirements, and ensuring smooth communication across distributed teams.
- Leveraging AI-assisted tooling to accelerate development, improve code quality, and automate repetitive tasks.
- Writing optimized SQL queries and stored procedures to improve reliability and performance.
- Implementing security-first architecture following OWASP and Security by Design principles.
- Collaborating with product managers and cross-functional teams to deliver robust software solutions on time.
- Mentoring junior developers and contributing to CI/CD pipelines.

Software Developer | Expedite Law | Brighthouse | Apr 2022 – Jan 2024

- Engineered API integrations to extend MatterSphere product functionality.

- Modernized legacy codebases, improving maintainability and response times by up to 30%.
- Worked directly with clients to gather requirements and deliver secure, scalable solutions.
- Enhanced performance and infrastructure across multi-user environments.

EDUCATION & CERTIFICATIONS

- BSc (Hons) Computer Science | Sheffield Hallam University | 2019–2022 | Grade: 2:1
- Microsoft Certified: Azure Fundamentals (AZ-900) | 2025
- Udacity Nanodegree Program – SQL | 2023
- ASP.NET Core Identity: Authentication & Authorization | 2024

KEY STRENGTHS

- Strong analytical and problem-solving skills with a focus on clean, maintainable code.
- Excellent communication and teamwork abilities developed through client collaboration.
- Quick learner dedicated to continuous improvement and emerging technologies.
- Passion for building secure, efficient, and user-focused systems.

INTERESTS

Marathon running, mindfulness, and meditation for focus and resilience.