Richard John Bowater

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Profile

Senior .NET/WPF developer focusing on healthcare software. Built a telemedicine system (acquired by Curavi Health), and developed patient management tools for NHS practices. Experience with clinical data visualization and medical system integration. Preference for clean, maintainable code and practical solutions to complex problems.

Available for remote contracts, preferably UK-based. Open to permanent positions.

Project Highlights

Senior Software Engineer   2017–2025
General Practice Software Solutions (UK)   Healthcare Solutions

Developed and maintained healthcare software for NHS Primary Care Networks, focusing on patient management and clinical data visualization.

- **PatientChaseX (2022–2025):** Healthcare management system in WPF/.NET 8 for NHS Primary Care Networks. Handles patient care coordination, risk assessment, clinician route optimization, and communications. Used by GP practices to manage proactive patient care and population health.

- **PatientLeaf (2017–2022):** Clinical data visualization tool for GP consultations that integrated with EMIS. Presented complex medical histories, medication data, and clinical measurements in interactive views to support decision making. Used extensively across South West London for chronic condition management.

Senior Software Engineer   2017–2018
PODKI (USA)   Kiosk

Led development of a self-service kiosk system. Built WPF frontend and supporting infrastructure, including payment processing, remote management, hardware integration, and automated deployment. Handled printer/scanner integration, security configuration, and system monitoring.

Senior Software Engineer   2015–2017
TripleCare (USA) (through Veracity Technologies for Trinity Dynamics)   Telemedicine

Built the complete software infrastructure for a telemedicine platform, including clinician and cart applications (WPF/.NET), backend services, real-time audio/video streaming, and secure VPN infrastructure. Handled all software development from architecture through deployment. The system became the leading remote acute care platform for skilled nursing facilities in the United States, and was acquired by Curavi Health.

Technical Skills

Core	C# .NET Core, WPF (Advanced Custom Controls), Desktop Application Development, Data Visualization
DB	SQL Server/T-SQL, MySQL/MariaDB, SQLite, Dapper, Entity Framework, AWS RDS
Web	RESTful Services, JavaScript, TypeScript, ASP.NET (MVC, Web API), Azure App Service, WCF
UI/UX	XAML, Avalonia, Telerik UI for WPF, Prism, MVVM
Practices	CI/CD, Git, TDD, Automated Testing (xUnit, FlaUI)
Healthcare	HIPAA Compliance, EHR Integration (EMIS), Telehealth/Telemedicine
Cloud/DevOps	AWS (EC2, S3, RDS), Azure (App Service, VMs, Pipelines), PowerShell, Docker, Linux, GitHub Actions
Other	C, Python, Mathematica, Windows Installer (WiX Toolset), Windows Services
Interests	Blazor, Clojure, MongoDB

Awards & Recognition

- John Perry Prize from BCS Institute (2018) for PatientLeaf's innovation in clinical decision support
- EMIS Partner Program Awards shortlist (2021) for excellence in healthcare IT solutions
- NHS England Automation Grant (2022) to revolutionize patient recall at PCN and borough level

Education

BSc Computer Science with Software Engineering   1998–2001
University of Essex
MPhys Theoretical Physics   2005–2006
Durham University   Incomplete/Deferred