

Senior Full Stack Developer

Location: Chesham, Buckinghamshire

Salary bracket: £30,000 - £40,000

SHJ is a leading supplier of medical and laboratory gas pipelines, solutions and services, and a market leader in remote monitoring and energy saving technologies. We are committed to the highest standards of care and support for our customers and invest heavily in R&D to remain at the forefront of our industry.

Overview

We are seeking an experienced and driven **Senior Full Stack Developer** to join our software development team. In this role, you will design, develop, and maintain high-quality web applications using React.js on the frontend and ASP.NET Core (C#) on the backend. You will work across the full development lifecycle—building scalable APIs, integrating with SQL Server databases, and ensuring performance, security, and reliability across all systems.

This position offers the opportunity to contribute to architectural decisions, collaborate across teams, and support the growth of junior developers.

Key Responsibilities

- Design, develop, and maintain web applications using React.js and ASP.NET Core (C#).
- Build, integrate, and optimize RESTful APIs to ensure reliable and efficient data communication.
- Develop and maintain SQL Server database objects, including tables, queries, functions, and stored procedures.
- Implement secure authentication and authorization frameworks (e.g., OAuth, JWT).
- Collaborate effectively with cross-functional teams including Client Operations, Management, and DevOps.
- Ensure high code quality through peer reviews, automated testing, and adherence to best practices.

- Monitor, troubleshoot, and optimize application performance, reliability, and scalability.
- Document technical designs, solutions, and processes for internal knowledge sharing.
- Contribute to architectural discussions and provide guidance or mentorship to junior developers as needed.

Requirements

- Proven experience as a Full Stack or Senior Developer using React.js and ASP.NET Core (C#).
- Strong understanding of API design, integration patterns, and lifecycle management.
- Solid hands-on experience with SQL Server, including performance-optimized queries and stored procedures.
- Proficiency in JavaScript (ES6+), HTML5, CSS3, and modern React concepts (Hooks, Context API, Redux).
- Experience with Entity Framework Core and LINQ.
- Good understanding of fundamental software engineering principles and version control practices (Git).
- Strong analytical, debugging, and problem-solving skills with excellent communication and collaboration abilities.

Desirable Skills

- Experience with automated testing frameworks (frontend or backend).
- Understanding of Agile/Scrum development methodologies.
- Previous engineering exposure in a medical, industrial, or regulated SCADA environment.

Additional Desirables

Candidates with experience in the following technologies will be given priority due to ongoing parallel IoT/embedded software projects:

- Familiarity with major Cloud IoT platforms (AWS IoT, Azure IoT, Google Cloud IoT).
- Experience with industrial communication protocols (e.g., Modbus) and cloud messaging technologies such as MQTT (QoS 1/2).
- Exposure to multi-language environments, ideally involving embedded C, Python, and Docker for containerized deployments.
- Understanding of diverse storage systems, including both SQL and NoSQL technologies.

What We Offer

- Supportive team and collaborative culture
- Career development and training opportunities
- Competitive salary and benefits
- Hybrid working options (where applicable)

SHJ is committed to creating a diverse environment and is proud to be an equal opportunity employer. We strive to create an inclusive workplace where everyone can thrive, regardless of their background.

To apply for this position, please email **mat.sealy@shj.co.uk** with your CV and a cover letter explaining why you think you would be suitable for this role.