

Join us in the UK

IDWAL

Vacancy: Software Engineer

Who are Idwal?

Idwal is the global leader in vessel inspections, technology and data. Founded in 2010 we've become the trusted partner for independent sale and purchase inspections and fleet condition monitoring across the maritime industry.

We inspect almost half of all vessels sold globally each year. Our 500-point inspection reports provide transparent and actionable insights into a vessel's maintenance, quality and ESG compliance, all contextualised by the Idwal Grade® – the industry standard for measuring asset integrity. With over 10 million data points, more than 15% of the global fleet inspected since 2019, and operations in over 100 countries, we've transformed ship inspections from a traditional service into a data-driven digital platform.

Operating from our headquarters in Cardiff Bay, with employees in Singapore, Shanghai, Tokyo and Athens, and supported by an extensive network of expert marine surveyors worldwide, we serve leading banks, financial institutions, private equity groups, ship owners, brokers, insurers and charterers.

Why work at Idwal?

Innovation meets stability. Backed by private equity (LDC), we have the resources and ambition of a scale-up combined with the stability of an established, profitable business. You'll work on genuinely industry-changing technology that's already recognised as the gold standard in maritime – but without the uncertainty of an early-stage startup.

Real impact. The work you do here matters. Our technology platform and data services directly influence multi-million pound vessel transactions and help ensure safer, more sustainable shipping worldwide. Your quality assurance work protects the integrity of systems that the world's leading maritime organisations depend on.

Technology at our core. We're not a traditional shipping company that's added technology – we're a technology company serving the maritime sector. Our in-house engineering team has built proprietary platforms from the ground up, and we're continuously innovating with AI, data analytics, and digital solutions that are genuinely transforming our industry.

Global reach, local roots. While we operate globally across 100+ countries, our engineering team is based in Cardiff Bay with a flexible, hybrid working model. You'll collaborate with marine surveyors, technical experts, and clients worldwide while being part of a close-knit Welsh team.

What is it like at Idwal?

Our culture. We've built something special here – a passionate team of shipping professionals, marine engineers, master mariners, developers and technology specialists working towards a common goal. We're friendly and collaborative with regular team events and charity initiatives that keep us connected beyond the day-to-day work.

Where you'll work. We operate a hybrid working policy with one day per week in our Cardiff Bay office, giving you the flexibility to balance focused home working with valuable face-to-face collaboration time.

How we work. We embrace agile methodologies and modern engineering practices. Our teams are empowered to make decisions, experiment with new approaches, and continuously improve. You'll work alongside people who are experts in their fields pushing the boundaries of what's possible with inspection technology and data platforms.

About the role



We're looking for a talented mid to senior Software Engineer to join our growing engineering team. You'll play a key role in building and evolving our maritime technology platform, working on systems that process millions of inspection data points and directly influence vessel transactions worth millions of pounds. This is an opportunity to write code that genuinely transforms an entire industry.

What you'll do

- Work within a cross-functional Agile team to design, build and deploy customer-focused solutions that drive the maritime industry forward
- Develop across the full technology stack, from intuitive front-end interfaces to robust back-end services and cloud infrastructure
- Participate in all stages of the development lifecycle, from initial concept and technical design through to deployment and continuous improvement
- Balance evolving our core inspection and data platforms with prototyping innovative new features and capabilities
- Collaborate closely with Data Science and Business Intelligence teams to turn insights into actionable product features
- Mentor and support less experienced engineers, fostering a culture of continuous learning and knowledge sharing

What you'll need

Essential Experience

- At least 3 years of professional software engineering experience successfully delivering products in Agile environments
- Strong programming skills with the ability to write clean, scalable, and maintainable code
- Proficiency in modern JavaScript/TypeScript and Node.js; our primary stack includes React, Node.js, Python, SQL databases and DynamoDB
- Experience with cloud platforms (AWS, Azure, or GCP) and containerization technologies like Docker
- Familiarity with CI/CD practices and tools (GitHub Actions, Jenkins, GitLab CI, or similar)
- Understanding of RESTful APIs, microservices architecture, and modern database technologies
- Experience using generative AI tools (GitHub Copilot, ChatGPT, Claude, etc.) to accelerate development and improve code quality
- Experience with test automation frameworks (Cypress, Jest, or similar)
- Ability to communicate technical concepts clearly to both technical and non-technical stakeholders

Professional Qualities

- Analytical mindset with a data-driven approach to problem-solving, combined with creative thinking and a proactive 'can-do' attitude
- Passion for writing tested, quality code and contributing to technical excellence across the team
- Self-motivated with the ability to work independently and as part of a team

What you'll get at Idwal

In addition to working with great people and great products, we offer a Competitive Salary reflecting your experience level, and the following benefits package:



25 days holiday with option to buy additional days



Private healthcare



Up to 10% contributory pension



35 hour working week



Social Club



Cycle to work scheme



Hybrid working with one day per week in our Cardiff Bay office

At Idwal, we are extremely proud to run a carbon neutral business and to provide the industry's first carbon neutral inspections. Idwal has been Carbon Neutral since 2021 and is audited by Carbon Footprint Ltd. Operating internationally with an extensive global surveyor network provides us numerous opportunities to improve our impacts environmentally and socially. Scan the QR code to the right to find out about our sustainability initiatives.

