OSCAR BEAMISH

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ABOUT

Self-taught full-stack developer with 10+ years of experience across web, desktop, and mobile platforms. Specialising in React and Vue.js ecosystems, with recent experience integrating ML models for automated image and audio analysis. Experienced in leading technical initiatives and mentoring junior developers across agency and enterprise environments.

SKILLS

Frontend
React, Next.js, TypeScript, React Native, Vue 3, Nuxt, Astro, JavaScript (ES6+), Redux, Tailwind, SCSS, Three.js, WebGL, GSAP

Backend
Node.js, Express.js, .NET, C#, Python, RESTful APIs, PostgreSQL, PostGIS, Supabase, MongoDB, Redis, MySQL, Claude API, TensorFlow, Docker, AWS, Firebase, Git

EXPERIENCE

Full Stack Software Developer | WildConnect | August 2025 – Present

- **Finalist, Educational Programme of the Year, Wales STEM Awards 2026**
  Built the real-time bilingual (Welsh/English) voice system for Die Bach, a puppet robot touring Welsh primary schools — streaming Deepgram Nova-3 → Claude → ElevenLabs pipeline achieving sub-500ms speech-to-response.
- Sole developer on a multi-tenant wildlife monitoring platform (Next.js 14, TypeScript, Supabase/PostGIS) handling 471,153 detections across 10 sites and 153 days, with biodiversity dashboards, interactive detection maps and real-time alerts
- Developed Windows desktop application for automated camera trap analysis using .NET 8.0 with ML models (MegaDetector, SpeciesNet, BirdNET) supporting 2,000+ species detection
- Implemented audio analysis pipelines for bird and bat detection from bioacoustic recordings, with RESTful API integration to EarthRanger conservation platform

Full Stack Software Developer | Vindico | March 2024 - August 2025

- Developed healthcare management system for nursing homes across Wales using React and Node.js, implementing AI-powered automated note creation
- Built enterprise event management platform using React, Vue 3 and Express.js with responsive component library

Creative Developer | Diva Agency | Feb 2020 – March 2024

- Led React and Vue development for Sony Interactive Entertainment, Activision, Square Enix, SEGA, Blizzard and Devolver Digital - campaigns including God of War Ragnarök, Halo, Call of Duty and Guardians of the Galaxy
- Developed internal automation tools that streamlined agency workflows and localisation processes, eliminating manual tasks

Full Stack Developer | Freelance | March 2019 – Present

- Created scalable web applications and custom e-commerce solutions using Vue.js and Shopify
- Developed React Native mobile applications and implemented SEO strategies delivering substantial organic traffic growth

Web Developer | Conscious Solutions | November 2017 – March 2020

- Managed end-to-end website development projects and developed custom JavaScript plugins for legal sector clients