

YUFEI SUN

Full-stack Developer

📍 Dublin, Ireland

🌐 <https://yufei.website>

🌐 <https://www.linkedin.com/in/yufei-sun-825299253/>

✉ yufei.sun64@gmail.com

🐙 <https://github.com/Siwi0w0>

SUMMARY

Motivated Full Stack Developer possessing **stamp 1G** eligibility, available for an immediate start. Skilled in building and maintaining user-centric web applications with expertise in transforming requirements into dynamic and responsive interfaces.

SKILLS

JavaScript React.js Git Node.js CSS3 HTML5 SQL
TypeScript PHP AWS MongoDB Firebase Bootstrap
Redux Express.js Webpack Jest WordPress Figma
Adobe Photoshop

EXPERIENCE

- 6/2024 – 5/2025 **Junior Full-stack Developer** Field Management Ireland Ltd. (Dublin, IE)
- Architected and deployed internal web applications using PHP and MySQL, **streamlining data management processes**, reducing manual data entry errors by **15%**, and saving teams **10 hours** weekly.
 - Managed and administered the domain controller**, ensuring seamless network functionality and **secure integration** of devices and **over 200 user accounts**.
 - Implemented **HTTPS encryption** across web applications, establishing secure communication channels.
 - Proactively reviewed system logs** and identified potential threats, providing timely and actionable recommendations to **strengthen system security by 40%**.
- Utilised:** PHP, JavaScript, MySQL for database design and management, HTTP, Apache Web Server, Cross-Origin Resource Sharing (CORS), Microsoft 365 Administration
- 10/2023 – 5/2024 **Website Developer** Hillview Resource Centre (Dublin, IE)
- Developed and enhanced** custom WordPress plugins, focusing on seamless user experiences and maintainable code architecture.
 - Diagnosed and resolved** device-specific and cross-browser issues, leading to a **30% improvement** in web performance and **consistent rendering** across the main platforms.
 - Optimised website performance using **SEO tools** such as **Google Lighthouse**, driving higher visibility and user engagement. **Improved Google Lighthouse performance** from **82% to 98%**.
- Utilised:** WordPress, PHP, JavaScript, CSS, Google Lighthouse, Google Analytics, Semrush

PROJECTS

- 5/2025 – 6/2025 **AI-Powered Mental Wellness Tool** <https://github.com/Towe-el>
- Collaborated in a fast-paced, cross-functional team to design and deliver an interactive mental wellness app that helps users explore and understand their emotions using AI.
 - Focused on building a **seamless and responsive client-side experience** using **React, Tailwind CSS, and Framer Motion**, including emotion-based SVG animations and **dynamic UI states**.
 - Collaborated closely on **AI integration strategy**, applying prompt engineering techniques and helping shape user interaction flows using Gemini 2.0 models.
 - Actively **contributed to UX decisions and testing**, ensuring a seamless and engaging experience.
- Utilised:** JavaScript, React, **Redux for state management**, TailwindCSS, **Web Speech API**, Framer-Motion
- 11/2024 – 3/2025 **DeepWork Web App** <https://github.com/DeepWork2025/DeepWork-Frontend>
- Led **Agile Development** as Scrum Master, **facilitating sprint planning**, daily stand-ups, and mid-sprint reviews, improving team collaboration and efficiency.
 - Designed and optimised frontend architecture, leveraging **Behavioral Design Patterns** (Chain of Responsibility) to create a **scalable, maintainable React & TypeScript component structure**.
 - Developed and deployed an **Express.js server** to simulate backend data flow locally, enabling **seamless API integration**, authentication testing, and real-time data synchronization.
 - Implemented streamlined **team workflows** by setting up **Github Project Scrum boards** and **Slack** integrations, improving productivity and communication
- Utilised:** JavaScript, React, TypeScript, TailwindCSS for **UI development best practice**, Express.js for **server-side testing for data flow**, Github Project for project management.
- 3/2024 **AWS Workshop: RDS & MySQL**
- Participated in a hands-on AWS workshop, developed practical expertise in **provisioning, managing, and decommissioning MySQL database instances on Amazon RDS**.
 - Engaged in practical exercises to understand and **resolve common MySQL connectivity and authentication issues**, enhancing skills in **configuring database accessibility and security** within AWS.
- Utilised:** AWS (RDS, CloudWatch, IAM, VPC), MySQL, SSH for secure connections, EC2 for database access testing, AWS Systems Manager for parameter management.

EDUCATION

- 9/2022 – 9/2023 **Msc in Human Computer Interaction** University College Dublin
- Participated in a collegiate Hackathon to **design and develop** an International Student Forum, working collaboratively in a team environment. **Project ranked among top 20%**.
 - Conducted comprehensive social media analysis for final project, **leveraging R programming** to collect and analyze Twitter data, demonstrating strong **data manipulation and analytical** skills.