

Tim Mc Sweeney

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Full-stack Software Engineer focused on Java/Spring backends and SQL Server data models, with front-end experience in JavaScript and modern frameworks. Strong collaborator who delivers features end-to-end. Ships reliable, well-tested, user focused software in agile teams. Currently contributing to a major UI/UX upgrade of an enterprise HR platform. Passionate about programming and software development. Enjoys coding as both a professional and a hobbyist I am driven by continuous learning and curiosity in a fast-moving industry

Technical Profile

- **Programming Languages:** Java , C++, Python, JavaScript, SQL
- **Front End Development:** React, HTML, CSS, JavaScript, Responsive Design, Primefaces, JSF
- **Backend:** Spring (Boot, Data, Web), Node.js, Express.js, RESTful APIs
- **Databases:** MySQL, MongoDB, Postgres, Microsoft SQL Server,
- **Tools & DevOps:** Git/GitHub (Version Control) SVN(Version Control), Agile/Scrum

Professional Experience.

Junior Software Engineer, **Strandum**

Dublin, Ireland | June 2025 – Present

- **Build and maintain full-stack features** for HR web applications using **Java Server Faces (JSF) with PrimeFaces/XHTML** on the frontend and **Java/Spring** on the backend.
- Design and optimize **SQL** queries, stored procedures, and schemas on **Microsoft SQL Server**; improve query performance and data integrity.
- Write **clean, maintainable, and well-tested code** following company standards; contribute to **unit testing and code reviews**.
- **Diagnose and fix bugs**; deliver iterative enhancements and maintenance updates across the stack.
- Collaborate with senior engineers, designers, and PMs; participate in **Agile ceremonies (daily stand-ups, sprint planning, retrospectives)**.
- Use SVN/Git for version control, manage branches/merges, and maintain high-quality documentation (design notes, API docs, user guides).
- Support internal/external users by troubleshooting and resolving software issues; follow best practices for security and data protection.
- **Contributing to “Project Leon” (v8), a full UI/UX upgrade of the enterprise HR platform; implemented a significant amount of pages/components, reduced load times considerably, and improved accessibility/compliance across key workflows.**

August 2024 - May 2025

*Head Demonstrator, **Maynooth University.***

- Instructed Higher Diploma and undergraduate students in **Java programming and object-oriented design principles**.
- Provide **hands-on demonstrations** of concepts like **inheritance, polymorphism, and encapsulation**.

- Assist students in **debugging**, improving **problem-solving skills**, and enhancing **code quality**.

Education/ Qualifications

September 2024 – September 2025 , (Graduating March 2026)

Masters Degree, Software Engineering, Maynooth University

Dissertation focused on full-stack web application development with Spring Boot and MongoDB and React.

Final Grade (1.1)

September 2023 – June 2024.

Higher Diploma in Science (Software Development) Maynooth University Ireland.

Final Grade 89.5% (1.1)

Projects

Fitzpatrick Marketing Website (Spring Boot, React, Email Service)

- Built a modern, responsive marketing website using React on the frontend and a Spring Boot backend to handle form submissions.
- Implemented a contact form + email notification service so enquiries automatically email the business owner with the submitted details.
- Delivered a clean, mobile-friendly UI aligned with modern web design practices.
- [Website Link](#)

Taskly (React, Tailwind, MongoDB, Firebase).

- Built a **collaborative task management platform** for university students to share resources and organize study sessions.
- Led **UI/UX design**, ensuring an intuitive, responsive interface, improving user engagement.

Maynooth Mental Health App (Node.js, React, JavaScript, MongoDB, Firebase).

- Ongoing web app to support alcohol-reduction; implemented auth and data models; focused on scalability and security. I also have this project hosted and it gets regular daily users
- [Website Link](#)

Hobbies

- Exercising – I play multiple team sports, and I love going to the gym
- Learning new coding languages and taking part in coding challenges
- Reading – I am an avid reader of both fiction and non-fiction

References: Available upon request

