JASON O'MELLAN

Software Engineer

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📍 Dublin, Ireland

in linkedin.com/in/jason-o-mellan

TopWebFullDev

🌐 Personal site

SKILLS

Front-end
- React / Next.js
- Angular
- Vue / Nuxt.js
- JavaScript / TypeScript
- Material UI / AntDesign
- Vuetify / Element UI
- Mobile Responsive

Back-end
- NodeJS
- ASP.NET
- Python
- PHP
- Java
- DBMS (SQL/NoSQL)
- RESTful APIs

Trend
- Web3 (DApp, DAO, DeFi)
- Advanced AI / AI Chatbots
- PWA

EDUCATION

Master of Science
in Computer Science
Technological University Dublin

📅 2009 - 2014

STAY HUNGRY, STAY FOOLISH

A seasoned full-stack software engineer who can help you build sophisticated web apps to boost your sales and cement your reputation.

From front-end to back-end, from design to deployment.

WORK EXPERIENCE

Team leader, Full-stack engineer

TazzerClean

📅 Jul 2022 - Feb 2023   📍 Rotherham, England

- Designed and developed a complex multi-page website, comprising 40+ pages for both the main and subdomain sites, using **Nuxt**.js framework
- Led a team of 6 developers to create web applications by providing technical expertise and guidance on both frontend(**Vue**.js) and backend (**ASP.NET Core**, **MSSQL**) development tasks
- Responsible for overseeing all aspects of the development process, from design and architecture to implementation and deployment (**CI/CD**) to **Azure**
- Produced detailed **design documentation**, **unit test** plans, and documented code for 20+ clients

Full-stack engineer

OneBrick Tech

📅 Jan 2018 - Dec 2020   📍 Huntersville, North Carolina US

- Developed 20+ websites using a full stack of web development technologies, JavaScript libraries(**Vue**, **Webix**) to create engaging and user-friendly web experiences
- Implemented 300+ stable and reusable **React** components and standalone functions to be added to any future pages
- Delivered 17 projects on time and within budget
- Participated in 10+ daily code reviews to ensure adherence to coding standards and best practices
- Mentored and trained 11 junior developers, while promoting a collaborative team environment

Frontend engineer

True Prodigy

📅 Apr 2019 - current   📍 McKinney, Texas US

- Working with UX designers to create intuitive and user-friendly interfaces with **React, Redux, Material UI**
- Collaborated with cross-functional teams to troubleshoot technical issues and optimize application performance for 1 million users; optimized HTTP request and resources and split code, resulting in a 20% reduction in page load time
- Implementing unit and integration tests using **Jest** and **Enzyme** to ensure high code quality and maintainability

StockCharts

HTML5 Financial Chart for Your Website and Mobile App

- **stockcharts.com**
- **StockChartX**

TalentsRoot

Mobile App for Online Freelance Jobs

- back-end
- admin panel

- Contributing to the development of a reusable component library, resulting in increased development efficiency and consistency
- Participating in daily stand-up meetings, code reviews, and team retrospectives to maintain agile development methodologies (**Jira**, **Slack**, **Trello**)

Python engineer, DevOps

Snowfall Company

📅 Jul 2017 - Jun 2018   📍 Dallas, Texas US

- Involved in the backend development using **Django**
- Wrote and maintained automated tests using Python's built-in framework, reducing the time needed to test code and improving overall code quality.
- Optimized database performance and **DB** queries, resulting in a 30% reduction in query times for a high-load application.
- Maintained large databases and configured services to reduce software maintenance expenses, decreasing the costs by 15% within one year.
- Collaborated with 4 front-end developers, designers, and data scientists to build seamless and interactive user experiences.

Software Engineer

Royal Irish Academy

📅 Apr 2014 - Nov 2017   📍 Dublin, Ireland

- Designed and developed 20+ web applications for medical, educational industries using PHP CMS frameworks, **HTML5**, **CSS3**, and JavaScript libraries (**D3**.js, **Chart**.js, **Anime**.js and **Pixi**.js ...)
- Architected, implemented, and maintained 7 performant and scalable data-processing backend systems using **Java(Spring), Node**.js and **Python (Django, Flask)**
- Tested software for bugs and operating speed, fixing bugs and documenting processes to increase efficiency by 18%
- Iterated platform for college admissions, collaborating with a group of 23 engineers to create features across the software
- Built internal tool using NodeJS and **Pupeteer**.js to automate QA and monitoring of donor-facing web app, which improved CTR by 4%
- Gathered user requirements, and built and maintained code for the tool, saving employees 10 monthly hours in labor
- Selected as the top performing engineer of 20 members team