# Jack Lei Ling

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| Email : jackleiling@gmail.com  Address : Baulkham Hills,Sydney,Australia |

# Profile

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| * Creative, passionate and action-oriented professional offering more than 13 years’ experience in Website Design and Development. * Strong analytical and problem-solving skills with background in web development using CSS3, HTML5, JavaScript, Angular, React, Vue, Material UI, Semantic UI, Vuetify, Jquery, JSON, mySql, AWS lamdas and AJAX. * Commercial experience in Next.js, React, Redux, D3, Three.js, Vue,Vuex, Pinia, Vuetify, Angular, Google Maps, PostgreSql, Spring Boot, ASP.Net, MVC3, Kentico CMS, Nodejs, Tailwind, SASS, LESS, Bootstrap, Domo, Form Assembly, Vite, AWS, Azure, OAuth, GIT and Webpack. * Game Development using impactJS for mobile and desktop. * Interactive eBook Development for mobile devices using ePUB3 specification. * Excellent interpersonal and communication skills, an excellent team player, social and fun-loving person. * Driven by new challenges and desire to be successful in all endeavours. Immensely enjoy navigating all aspects of the project. |

# 3D Portofolio Website

**<https://www.jackleiling.com/>**

Full stack development from design to deployment using Next.js, React, Tailwind CSS, Postgresql and Vercel.

# **Education**

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| * Diploma in Information Technology-Web Development TAFE NSW * Certificate Four in Programming TAFE NSW * Postgraduate Diploma in Translation and Interpreting Macquarie University-Australia * Master of Marketing (E-Marketing) University of Newcastle-Australia |

# **Technical Knowledge**

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| **Operating System** | WINDOWS 10, Apple OS X, Apple IOS |
| **Microsoft Technologies** | ASP.Net, C# .Net, WebServices, MVC, Azure, APIM |
| **Languages and Frameworks** | Vue, React, Next.js, Node.js, Tailwind CSS, SQL, CSS, HTML, JavaScript,Typescript, JQuery, Ajax, ImpactJs, Bootstrap, Angularjs, Angular2, Redux, Pinia, RxJS, SASS, LESS, Foundation 5, Semantic UI, Material UI, Webpack, Functional Programming, Ramda, OAuth, |
| **Tools and Utilities** | Microsoft .NET Framework, WordPress, Photoshop, Sketch, Flash, Illustrator, Sublime Text, Premier, After Effect, Google Map and Maya 3D, GIT, Nuxt 3, Form Assembly, Figma |

# **Working Experience**

**NSW Government - Department of Education**

**March 2025 - June 2025**

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| **Role** | **Fullstack Engineer** |
| Industry | Government |
| Key Points | * Created new Assisted Travel Support Officer( ATSO) training search functionality in Assisted School Travel Program (ASTP) Web App * Integration between My Professional Learning (MyPL) platform and Assisted School Travel Program (ASTP) Web App to allow finance officers to efficiently check the training history without leaving ASTP Web App * Created new user interface to allow ASTP admin staff to check the time and student absence claimed in ATSO timesheets against the real time records lodged in the ASTP mobile app. |
| Language & Tools | Vue 2, Vue 3, Vuetify, AWS Lambda, Openshift, Javascript, HTML, SCSS, Sql |

**Main Responsibilities**

* **Created ATSO training search page with complex filters and pagination**
* **Integration with MyPL training search API**
* **Created ATSO training records UI**
* **Integration with MyPL training history API**
* **Created User Interface for ASTP officers to efficiently check the time and student absence claimed in ATSO timesheets against the real time records lodged in the ASTP mobile app.**

**University of Technology Sydney**

**March 2024 - January 2025**

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| **Role** | **Software Engineer** |
| Industry | Education |
| Key Points | * Web form migration from UTS legacy system to Form Assembly platform * Worked with designers to implement form styling guide, which meet WCAG AA standards * Created UTS form assembly form components library * Implemented Google Analytics to track form interactions * Integration of Form assembly forms  with Salesforce, Sharepoint and Excel. * Customised form Validation rules based on business requirements * Enhancement of form UX by creating autocompletes and pre-filling functionality |
| Language & Tools | Form Assembly, Salesforce, Sharepoint, MS office 360, Vanilla JS, SCSS, Drupal, Optimasly |

**Main Responsibilities**

* **Migration of legacy forms to Form Assembly platform**
* **CSS architecture to ensure forms styles consistent across different platforms**
* **Complex form validation**
* **Form Assembly Theme development**
* **Form Assembly integration with Salesforce, Sharepoint Online and Excel**

**Coates Hire**

**July 2022 - March 2024**

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| **Role** | **Software Engineer** |
| Industry | Equipment Hire |
| Key Points | * Front end development for mySales web app. Working closely with business owner and business analyst to design and implement user friendly features to streamline the complex quoting process for Coates sales representatives * Maintained the company's e-commerce website powered by Vue, Sitecore and .Net * Frontend development for the company website rebranding, email campaigns, CRM integration * Implemented API security for Coates sales and quoting API using Azure Active Directory, Microsoft Authentication Library and APIM * Contributed to the migration of mySales from Vue 2, Vuetify 1.5 to Vue 3 and Vuetify 3 * Identify bad practices in existing codebases and propose solutions based on industry standards |
| Language & Tools | Vue 2, Vue3, MySQL, Azure APIM, .Net, Vuetify, Vite, Azure, Sitecore, IOT, GoogleMap, oAuth |

**Main Responsibilities**

* **UI development and enhancement using Vue, Vuex and Vuetify**
* **Test Driven Development using Vite**
* **Complex data manipulation and validation**
* **Data visualisation and dashboard**

**Project links**

MySales (internal web app)

<https://mysales.coateshire.com.au>

Coats Hire Now

<https://hire-now.coateshire.com.au/browse/equipment>

Coates IOT

<https://iot.coateshire.com.au>

**NSW Government - Department of Education**

**Mar 2019- Jun 2022**

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| **Role** | **Senior Front End Developer** |
| Industry | Software Development |
| Key Points | * Frontend development for award winning NSW Public School online enrolment system – Parent Interface – which enable parents to provide complex structured data to the enrolment admin system * Frontend development for award winning NSW Public School online enrolment system – School Administration Interface – by which school admins can manage and resolve any conflicts of student records when integrating with NSW student enrolment system (ERN) * Frontend development for Principal Certification web app to enable principals in NSW public schools to certify student enrolments online * Frontend development for Enrolment Hub web app to allow parents and carers to manage all the enrolment applications they have for NSW public schools * Test driven development using Jest to ensure the quality of the code bases   • API integration with micro services  • Accessibility implementations to meet WCAG2 standard |
| Language & Tools | Vue, Vuex, Vuetify, Material UI, Functional Programming, Gitlab, GIT, Circle CI, JIRA |

**Main Responsibilities**

* **UI development using Vue, Vuex and Vuetify**
* **Test Driven Development using JEST**
* **Vue plugin development**
* **Contribution to DOE shared UI library**
* **Accessibility enhancement and implementation**
* **Complex form validation and data conflict resolutions**

**Project links**

NSW Online Enrolment System – Parent Interface

[https://enrol.education.nsw.gov.au/#/?schoolCode=4526&catchmentLevel=primary](https://enrol.education.nsw.gov.au/%2525252523/?schoolCode=4526&catchmentLevel=primary)

NSW Online Enrolment System – Out of Aea Enrolment

<https://ooa.enrol.education.nsw.gov.au/?schoolCode=4526&catchmentLevel=primary>

NSW Online Enrolment System – Enrolment Hub

<https://ehub.enrol.education.nsw.gov.au/>

**Project Overview – including Customers Feedback**

https://education.nsw.gov.au/parents-and-carers/going-to-school/enrolment/online-enrolment-for-nsw-public-schools

**Formbay Australia**

**Aug 2018- Mar 2019**

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| **Role** | **Senior Front End Developer** |
| Industry | Software |
| Key Points | * Formbay frontend codebase migration from JQuery to React * Created the reusable react-based components library for all Formbay Projects * Implemented Password Strength checkers for all Formbay login pages * Created the major functionalities for Formbay customers to lodge applications online. * Created Formbay job list page * Provided advise and guidance to other developers and designers for efficient workflows and software development methodology |
| Language & Tools | React, Redux, Redux Form, Redux-Thunk, Material-U, Functional Programming, Gitlab, GIT, JQuery, Docker, Webpack, BIT, JIRA |

**Main Responsibilities**

* **Frontend codebase migration from JQuery to React**
* **React-based components Library**
* **Backend Integration using APIs**

**Bupa Australia**

**Apr 2017- Aug 2018**

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| **Role** | **Senior Front End Developer** |
| Industry | Finance and Insurance |
| Key Points | * Bupa main website re-platform and migration * Rewrote the Bupa website’s navigation menu and worked with Sitecore developer to inject it to legacy sites * Rewrote the Bupa’s international workers’ health insurance enquiry form using React and Ramda * Provided advise and guidance to other frontend developer * Created modularised front end components for Bupa marketing campaign pages |
| Language & Tools | Angular2, Bootstrap, Ramda, Functional Programming, Final Form, Gitlab, GIT, Visual Studio Team Services, Sitecore, Web Experience Manager |

**Main Responsibilities**

* **Javascript development for Bupa using React and Ramda**
* **Bupa website migration and re-platform**
* **CRM integration**
* **BAU**

**Projects Links**

<https://www.bupa.com.au/>

<https://www.bupa.com.au/health-insurance/international/overseas-plan-enquiry?ident=BUPAWEB>

**Service NSW**

**Dec 2017- Apr 2018**

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| **Role** | **Product Engineer** |
| Industry | Government |
| Key Points | * Worked on Easy to Do Business project as a Product Engineer to streamline the business registration/application process * Paired with Pivotal Engineers to deliver the ETDB landing page, Talk to a Business Concierge Form, Guides and Outdoor Dinning Application form * Extreme programming * Test Driven Development-writing Unit tests and Journey tests before implementation * Continue integration and delivery * Project deployment using Gitlab and Pivotal Cloud Foundry * Mobile Development for Digital Driver Licence project |
| Language & Tools | React, Semantic UI, React Native, Java Spring Boot, Gitlab, GIT, Zepline |

**Main Responsibilities**

* **Javascript development for ETDB project using React and Semantic UI**
* **Java Spring Boot development for Sending emails and Single Sign On**
* **Salesforce integration**
* **Mobile development for Digital Driver Licence using React Native**

**Projects Links**

<https://mybusiness.service.nsw.gov.au/>

<https://mybusiness.service.nsw.gov.au/guides>

<https://mybusiness.service.nsw.gov.au/outdoor-dining>

**Department of Finance, Services and Innovation, NSW Government**

**June 2016-Dec 2017**

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| **Role** | **Web Developer** |
| Industry | Government |
| Key Points | * Developed Fuel Price Trend tracker for [Fuel Check](https://www.fuelcheck.nsw.gov.au/app) using Angular 1 and Google Chart ; * Developed [Fuel Check Dashboard](https://uat.onegov.nsw.gov.au/onegovdash/) from scratch using Angular 1 and Google map allowing users to track down Fuel Check usage in real time; * Developed [Building Certifier Dashboard](https://uat.onegov.nsw.gov.au/onegovdash/certifier) from scratch using Angular 2 and Google map allowing users to track down building certifiers in real time; * Maintain [NSW Government Grants Tracker](http://grantstracker-uat.dashboard.nsw.gov.au/2015-2016/dashboard) dashboard using Angular 2 and D3; * Created Economic Indicators dashboard in Domo; * Developed a Map widget for Aquatic License Application form allowing users to select event areas by drawing on Google map |
| Language & Tools | Angular1, Angular 2, D3, Google Chart, Google Maps, Sass, Less, Jquery, HTML5, CSS3, Cartodb, .Net, DOMO, TFS, reactive.js |

**Main Responsibilities**

* Javascript development for Fuel Check, dashboards and online forms

**Projects Links**

**www.fuelcheck.nsw.gov.au**

**https://uat.onegov.nsw.gov.au/onegovdash/**

**http://grantstracker-uat.dashboard.nsw.gov.au/2015-2016/dashboard**

**Green Stone Financial Services (previously known as Hollard)**

**June 2014-July 2016**

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| **Role** | **Web Developer** |
| Industry | Finance and Insurance |
| Key Points | * Real Insurance responsive website enhancements; * Form validations and IE8 compatibility fixes for Real Home Loan; * Kentico Widget and Web parts development; * RSPCA Pet Insurance eCommerce feature enhancement and optimisation; * Blog recreation for Real Insurance; |
| Language & Tools | Angularjs, Sass, Less, Jquery, HTML5, CSS3, Kentico CMS, Windows Webform, .Net, Node.js, Gulp, and Tortoise SVN |

**Main Responsibilities**

* Created Kentico web parts and widgets using .Net, HTML, Javascript and CSS to enhance Real Insurance, RSPCA Pet Insurance, Senior Insurance and Choosi website;
* Fixed major IE8 compatibility issues for Real Home Loan responsive site;
* Responsible for the javascript development for the new responsive website for RSPCA Insurance;
* Daily maintenance and update for the public facing websites of Green Stone Financial Services;

**Projects Links**

<https://www.realinsurance.com.au>

<https://www.choosi.com.au>

<https://www.rspcapetinsurance.org.au/>

<http://www.seniors.com.au>

**Fairfax Media**   **March 2104-June 2014**

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| **Role** | **Web Developer** |
| Industry | Media |
| Key Points | * high trafic commercial website redesign; * Implemented responsive layouts for desktop, iPad and mobile; * CSS animation and interaction |
| Language & Tools | SASS, Foundation 5, AngularJs, Jquery, HTML5, CSS3, GIT and Google Map API |

**Main Responsibilities**

* Created responsive html templates from PSD using SASS and Foundation 5;
* Created CSS animation and UI interaction by jQuery and AngularJs;
* Customised google map UI elements;

**Department of Premier and Cabinet NSW Government May 2013-February 2014**

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| **Role** | **Web Developer** |
| Industry | Government |
| Key Points | * created a poll widget using jquery, php and sql; * created a corporate calendar to manage DPC projects using jquery ui, Socialtext API and fullCalendar; * created news slider using Socialtext API and jquery; * created task register and tracker using Socialtext API and Javascript; * integrated Google Analytics into Socialtext; * created an image gallery using angularjs and bootstrap; * Integration between Objective and Socialtext; * General intranet support and bug-fixing for [nsw.gov.au](http://nsw.gov.au/); |
| Language & Tools | Jquery, Jquery UI, HTML5, CSS3, PHP, AngularJs, and Bootstrap |

**Main Responsibilities**

* Create widgets to use on the intranet of Department of Premier and Cabinet (Socialtext platform);
* General maintenance for the department’s social enterprise network and bug fixing for nsw.gov.au;

**PROFERO (Sydney, Australia) February 2013-April 2013**

**Main Responsibilities**

* Working with backend developer and project manager to create a sampling app for desktop and mobiles;
* Front end cutups from PSD to HTML using CSS3 and HTML5;
* Integrated ISOTOPE to dynamically sort products based on user input;
* Database integration;

**SONY DADC (Sydney, Australia) July 2012 – February 2013**

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| **Role** | **Web Developer** |
| Industry | Entertainment Industry |
| Key Points | * Developed interactive eBook for iPad using ePUB3 specification; * Developed a 16 level HTML5 Game with impactJS for McDonald’s Australia; * HTML5 Game integration with database and Facebook |
| Language & Tools | Epub3, impactJS, CSS3, Jquery, Ajax, JavaScript, HTML5, Dreamweaver and Photoshop |

**Main Responsibilities**

* Working with Creative Director and Product Manager to create interactive eBook;
* Developed an HTML5 game impactJS framework.

**Projects:**

**Interactive eBook for iPad**

The project required build of an interactive eBook for kids to learn different sounds. The book integrated image, sound, narration, animation and read-along highlights.

**Tasks Accomplished**

* Created interactive animation(3D) using jQuery and CSS3;
* Integrated sound and narration;
* Created read-aloud feature to allow highlights following reading;
* Enabled automatic and manual reading mode;

**HTML5 Game**

This is a web-based game to be published on face book to promote products for one of the biggest fast food franchises. The game is designed to be played on web and mobile devices.

**Tasks Accomplished**

* Coded for a16 levels of the game using impactJS-JavaScript OOP Framework;
* Brainstormed the ideas for the game design;
* Integrated physics, sound and collide detection;
* Integrated the game with Facebook;
* Integrated the game with an database to save game data;

# **Referees**

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| References can be provided on request |