

Jackie Jin

Senior Engineer - React

Summary

A versatile Full Stack Developer with seven years of core expertise in front-end development, demonstrating a proven track record of delivering high-impact web applications and digital solutions. This professional specialises in architecting scalable front-end systems, building performant user interfaces, and implementing complex business logic.

With extensive experience in leading technical initiatives, mentoring team members, and driving best practices in modern web development, they exhibit strong problem-solving abilities. This is evidenced by the successful delivery of cross-platform applications, microservices integration, and optimisation of critical user journeys. They are passionate about creating exceptional user experiences while maintaining code quality and performance standards.

Sectors:

Commercial, Energy and utility, Government, Transportation

Skills (SFIA):

Programming/software development, Software design, Testing

Tools and technologies:

React, TypeScript, JavaScript, Postgres, AWS, Nodejs, Figma

Qualifications and certifications:

Queensland University of Technology :

- Master of Network Management

AWS:

- AWS Certified Cloud Practitioner

Other:

- Cisco Certified Network Professional (CCNP)
-

Project experience

Booking Entity Authorisation Reporting (BEAR) (Oct 2024 - Nov 2025)

Client Name / Sector: Department of Transport and Main Road (Transportation)

Challenge: The project faced significant operational challenges in delivering new features while maintaining existing functionality within compressed two-week sprint cycles, requiring careful balance between development priorities and stakeholder expectations. The complexity was amplified by the need to coordinate across multiple stakeholders including government officials, external auditors, and internal teams, while simultaneously addressing critical bug fixes and maintaining system stability. A particular challenge lay in reconciling technical constraints with evolving design requirements, especially when implementing complex user interfaces that needed to meet strict government accessibility standards while remaining intuitive for both internal staff and external auditors.

Role and achievements: As the Front-end Developer in this government digital transformation project, Jackie was responsible for implementing responsive user interfaces that serve both internal TMR staff and external BEA users. Jackie successfully delivered multiple complex features including a dynamic form system for BEA report submissions and an interactive dashboard for TMR administrators. Working in an agile environment with two-week sprints, Jackie consistently met sprint commitments, receiving positive feedback for the intuitive user experience and accessibility compliance. Jackie also took the initiative to implement reusable component libraries and establish

front-end best practices, which improved development efficiency and reduced future maintenance costs while ensuring consistency across the application.

Skills utilised: Software development, Testing

Tools and technologies utilised: TypeScript, React, AWS, NextJs

ELogbook, QETouch, Port Supervisor Page (Oct 2023 - Oct 2024)

Client Name / Sector: Qantas (Transportation)

Challenge: The project faced complex challenges in maintaining and enhancing multiple digital platforms (2 mobile apps and 2 websites) simultaneously for Qantas, where any system downtime or bugs could directly impact customer booking experience and revenue generation. The project required careful coordination between multiple development teams and stakeholders across different time zones, while maintaining 24/7 system stability and addressing urgent production issues that could affect thousands of travelers.

Role and achievements: Jackie independently designed and delivered the Port Supervisor Page from conception to production, taking full responsibility for the end-to-end development including frontend, backend, and infrastructure implementation. By implementing an optimised CI/CD pipeline using Kubernetes and ArgoCD, Jackie significantly reduced the deployment time to just 12 minutes, a 70% improvement compared to the standard 40-minute deployment time of other applications.

Skills utilised: Software development, Testing

Tools and technologies utilised: ReactNative, Nodejs, JavaScript, TypeScript, AWS Cognito, AWS Hosted UI, K8s

NCS Australia CVs (Aug 2023 - Oct 2023)

Client Name / Sector: Commercial

Challenge: After ARQ Group became part of NCS Australia, we need to centrally manage the CVs of all consultants in the company. We hope that the template for everyone's CV can be consistent. We have chosen Microsoft Power Apps, Power Automate, and SharePoint to create this new system. In the absence of relevant experience, this project has become a significant challenge.

Role and achievements: Jackie was the main developer of this project. He connected Power Automate with SharePoint List, and then generated a CV based on a CV template and an item from the SharePoint List. After that, following the Figma design, he used Power Apps to create the UI for the CV Tool. This allows users to search for relevant consultant CVs based on different filters on the interface, and also enables them to create or update CVs with it.

Skills utilised: Testing, Software Development

Tools and technologies utilised: Microsoft Power Automate, Microsoft Power Apps, SharePoint, Figma, Miro

PNG Police Check Application (Jan 2023 - Mar 2023)

Client Name / Sector: Government

Challenge: The Papua New Guinea government aims to establish a digital presence akin to myGov. They have enlisted AWS to initiate the police clearance prototype project. AWS brings cloud expertise to the table, while Arq handles both the front-end and back-end development. Given that this is a prototype, the goal is to develop three applications within a six-week timeframe.

Role and achievements: As the Senior React Developer, Jackie is responsible for the development of the entire front-end. He created a responsive user interface based on Figma designs, encompassing the creation of mobile views for the Police Clearance application, both for mobile devices and desktop. The success of the prototype led to the Prime Minister of PNG planning to present the Government Services ePortal solution at a conference in Seattle in July of that same year.

Skills utilised: Testing, Software Development

Tools and technologies utilised: NextJs, JavaScript, Figma, Axios, AWS Amptify UI

ConocoPhillips HAAIC Sheet App (Oct 2022 - Dec 2022)

Client Name / Sector: Energy and utility

Challenge: Develop an application to streamline the procurement of electrical equipment, eliminating the need for manual sourcing, paper-based document printing, and incorporating digital signatures for work signoffs.

Role and achievements: Jackie was responsible for designing the front-end architecture and implementing various features and fixes. Using React.js and Material-UI, Jackie developed a responsive user interface that catered to Desktop, Mobile, and Tablet views. Additionally, Jackie created reusable React components, ensuring they were optimised for performance and could be utilised across multiple projects. API integration was a key aspect of the role, and Jackie displayed a strong drive to tackle problems of all kinds as well as proficiently utilised JIRA for task assignment, defect management, and backlog handling. Collaborating closely with project managers, Jackie effectively managed timelines and met client expectations. Furthermore, Jackie crafted diverse UI components for various web pages, employing HTML, JavaScript, and Material-UI.

Skills utilised: Testing, Software Development

Tools and technologies utilised: Jira, Figma, Miro, React, JavaScript

Big Red Group Marvel Re-platform-Project (Sep 2022 - Nov 2022)

Client Name / Sector: Entertainment

Challenge: Refactor Redballoon website on both Desktop View and Mobile View

Role and achievements: Refactor the Redballoon website using the Progressive Web App Kit (PWA Kit) with React. Throughout the process, Jackie collaborated closely with the team to design and implement new features. Additionally, he conducted comprehensive code reviews of fellow team members' work, providing recommendations to enhance code quality. This was all done in a highly collaborative agile team environment, where he gained a deep understanding of sprint and release cycles. Jackie also excelled in the coding of UI/UX designs, seamlessly transforming them into functional digital applications.

Skills utilised: Software development

Tools and technologies utilised: React, JavaScript, TypeScript, PWA Kit, Jira

Career history

NCS Australia
Senior Engineer - React
Jun 2022 - Present

Jackie took charge of the web application, with a particular focus on front-end development. Jackie was responsible for providing front-end code architecture and seamlessly integrating APIs to enhance functionality and user experience.

Achievements:

Successfully delivered multiple high-profile government and enterprise projects, including the Department of Transport's BEAR system and Qantas' digital platforms, demonstrating strong technical and full-stack capabilities. Led the technical implementation of the PNG Police Check prototype that gained recognition at the governmental level, resulting in its showcase at an international conference. Established robust front-end architecture patterns and reusable component libraries across multiple projects, improving development efficiency and maintaining high code quality standards. Demonstrated versatility by successfully managing diverse projects across different sectors, from government digital transformation initiatives to commercial applications, while consistently meeting strict deadlines and excellence

Healthcarelogic
Fullstack Web Engineer
Jun 2018 - Jun 2022

Jackie was responsible for developing and building new components and web features using JavaScript (ES6+) and leveraging modern frameworks like ReactJS, Redux, GraphQL, TypeScript, KnexJS, and ExpressJS/NodeJS. Additionally, Jackie provided technical and helpdesk support to various departments within the business, addressing tasks such as debugging, troubleshooting technical issues during outages, and identifying and resolving bugs. Jackie also took part in the review of pull requests and handle the deployment and release of test and production servers when necessary.

Achievements:

Successfully led the modernization of the company's web infrastructure by implementing TypeScript across multiple projects, resulting in a 40% reduction in runtime errors and improved code maintainability. Designed and developed reusable React components that are now used across 15+ different features, significantly reducing development time for new features by 30%. During critical system outages, maintained an average resolution time of under 2 hours, ensuring minimal business impact and maintaining a 99.9% system uptime. These initiatives not only enhanced the overall application performance but also significantly improved the development team's productivity and code quality standards.

JR Craftsman Academy
Fullstack Engineer
Aug 2017 - May 2018

The tasks include maintaining, updating, and adding new functions and components to the existing company website. The workflow tools utilised in these tasks encompass Bootstrap4, Pug view engine, Sass, ReactJs, NodeJs, JavaScript, Keystone, and Bitbucket.

Achievements:

Jackie successfully modernised the company website by implementing a hybrid architecture that seamlessly integrated ReactJS components within the existing Pug template system. This integration significantly improved the website's interactivity and user experience.

Additionally, Jackie led the migration from traditional CSS to a Sass architecture. This transition established a more maintainable and scalable styling system through the creation of reusable mixins and variables.
