

Clyde Shen

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Overview

With over 10 years of experience delivering innovative front-end solutions across finance, blockchain, HR-tech and other sectors, I bring a unique blend of technical depth and cross-domain expertise to the team. My full-stack proficiency allows me to bridge the gap between front-end and back-end seamlessly, troubleshooting integration challenges. Moreover, my background in overhauling legacy codebases and delivering high-traffic applications makes me well-equipped to tackle complex front-end challenges.

Technical Expertise

Technologies	Next.js, React, React Hooks, REST APIs, GraphQL, Serverless, Storybook, AWS (Lambda, Cognito, DynamoDB, etc.), HTML5, CSS3, Vite/Vitest, Monorepo
Expertise	Front-end Architecture, Performance Optimization, Best Practices and standards, Agile/Scrum, Code Reviews & Mentorship, Cryptocurrency, Blockchain, FinTech

Experience, Responsibilities and Achievements

Senior Specialist – Deloitte, Auckland 2023 - Present

- Led the front-end team development for the business-to-government (B2G) project, leveraging expertise in TypeScript, Next.js, GraphQL, and Serverless Stack to drive successful project delivery.
- Architected the front-end design, overseeing end-to-end integration and code optimization efforts, ensuring adherence to industry best practices and standards.
- Mentored team members in advanced front-end concepts, such as currying functions, function composition, and module bundling techniques like tree-shaking, elevating code quality and performance.
- Collaborated across team to align project progress and seamlessly integrate front-end solutions, managing the codebase within a monorepo environment for enhanced development efficiency.
- Successfully integrated Storybook into the project workflow, establishing a centralized platform for collaboration and visibility across the project.

Senior Software Engineering – Dasset, Auckland 2020 - 2023

- Developed and designed multi-browser compatible React components for cryptocurrency exchange platforms using TypeScript and modern front-end tools.
- Built and implemented scalable APIs using AWS services (Lambda, Cognito, DynamoDB, API Gateway) to securely access users and exchange data using authorised technologies.
- Simplified integration with SaaS solutions, handling the complexity of service and data integration.
- Advocated an Agile approach to managing Scrum teams through careful planning, daily stand-ups, and retrospectives.

Achievements:

- Collaborated cross-functionally to deliver a 70% surge in new user acquisitions and weekly transaction volume to previous monthly peaks.
- Led the development of an innovative NFT and Web3 project, demonstrating expertise in emerging blockchain technologies.

Senior Software Engineer – Sphere Identity, Auckland 2019 - 2020

- Developed key features for their web platform using React, React Hooks, and Node.js, including authentication flows, user dashboards, and settings for passwordless and multi-factor authentication.
- Developed RESTful APIs using a wide range of AWS services such as Lambda, DynamoDB, Serverless and API Gateway.
- Manage the Scrum process for cross-functional teams by coordinating reliable and practical Agile sprint plans.
- Facilitate a seamless process through daily stand-ups, sprint planning, presentations, and retrospectives.

Software Application Developer – Zambion, Hamilton

2016 - 2019

- Key contributor to their cutting-edge, IRD-compliant, web-based payroll, HR, time/attendance and leave management software suite.
- Programmed multiple customer-focused functions such as payroll, leave balances, position management, performance appraisals, and payroll/deduction management using React.
- Developed innovative features such as company organisation charts, dynamic forms, dashboard widgets and training systems.

Achievements:

- Increased sales by 300% and grew client base from 12 to approximately 60 local and international clients by working efficiently with the team.
- Independently refactored and upgraded over 80% of the front-end codebase, delivering substantial performance improvements to a cloud project that was subsequently sold for over \$10 million.

Software Developer – Central Station Software, Auckland

2014 - 2016

- Participated in the development of AIMY Plus, a cloud-based software solution for children's programme management, real-time booking and finance.
- Part of the development team responsible for the back-end and front-end development of a full-featured contact manager handling over 110,000 contacts in the AIMY Plus system.
- Optimised legacy code, reduced redundant data and reduced average response time from 8 seconds to 0.5 seconds, significantly improving performance.

Education**Bachelor of Computing and Mathematical Sciences - Auckland University of Technology**

2013

- Major Computer Science

Voluntary and Community

Certified Member Mensa, New Zealand

2019

Event Volunteer TED Talks, New Zealand

2017 - 2018