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| Clyde Shen | | | | | | |
| 021 0811 1443 | clyde1229@gmail.com | [linkedin.com/in/clydeshen](https://www.linkedin.com/in/clydeshen) | Auckland, NZ | | | |
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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. | | | | | | |
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| **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 | | | | |  |
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| **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. | | | |  | |  |
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| **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. | | | |  | |  |
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| **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. | | | |  | |  |
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| **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. | | | |  | |  |
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| **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. | | | |  | |  |
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| **Education** | | | | | | |
| **Bachelor of Computing and Mathematical Sciences** - Auckland University of Technology | | | | | 2013 | |
| * Major Computer Science | | | |  | | |
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| **Voluntary and Community** | | | | | | |
| Certified Member | Mensa, New Zealand | | | 2019 | | |
| Event Volunteer | TED Talks, New Zealand | | | 2017 - 2018 | | |