Richard Lee

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in @richard875

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Education and Leadership

The University of Sydney, Australia   Bachelor of Science (Honours)
• Academic teaching assistant for SOFT2412 - Agile Software Development Practices (Java)   Computer Science

The University of Auckland, New Zealand   **Bachelor of Science**
• Founder of the UoA Motorsport Club with approximately 800 members (2022)   Computer Science

Employment

SLIK Creative Agency | Sydney, Australia   Creative Software Engineer | July 2022 — Current
• Created Australia's first Metaverse virtual playground with Three.js and Blender for hosting virtual meetings and corporate events
• Developed statically generated web apps with Gatsby for Nine News, including **Sydney Morning Herald's Annual Impact Report**
• Migrated a legacy email builder app from Angular to React for better maintainability and redesigned its UI for a refined user experience
- **Tech stack:** React/Gatsby • Contentful • Node.js/Nest.js • MongoDB • Three.js • GSAP • Blender • Netlify • Heroku • AWS

Government of New Zealand, Waitemata District Health Board   Software Engineer (Fixed term) | Aug 2021 — Feb 2022
• Developed and designed a monitoring web application with Angular and .NET Core to monitor hospitals' legacy system status
• Implemented and designed a bespoke management dashboard web application for the admin to manipulate data stored in Redis
• Improved Google Chrome's lighthouse score for an application by over 60% by redesigning the frontend layout structure
- **Tech stack:** Angular • .NET • Redis • C# • TypeScript • Oracle SQL Database • Jira • Azure DevOps

Canary Data Solutions Ltd. | Auckland, New Zealand   Software Engineer | September 2020 — August 2021
• Engaged and worked with clients from all sectors to develop custom applications to suit their business needs
• Complete redesign of the company website by incorporating modern design principles (**https://www.canary.co.nz/**)
• Reduced an application's runtime error by over 65% by migrating the backend server to TypeScript and introducing unit tests
- **Tech stack:** Vue • TypeScript • ASP.NET • C#/VB • Microsoft SQL Server • Knockout.js • Jenkins • TeamCity • Octopus

Yourcar (Startup) | Auckland, New Zealand   Intern Software Developer | January 2020 — September 2020
• Developed an internal tool that calculates the write-off percentage of New Zealand new vehicles in the first 18 months of purchase
• Improved company web application's durability by implementing a complete functional test on the frontend site using Cypress
• Gained valuable professional experience by working in a fast-paced startup environment
- **Skills gained:** React/Next.js • PostgreSQL • GraphQL • Postman API Testing • Jest • Cypress • HubSpot • Barista Skills! ☕

Software Projects

Personal Website: richard-lee.com (For additional information)

Leetcode Algorithm Practice Web Application ⧉
• Designed and developed a coding practice web application to try out the new Vue Nuxt 3 framework
• Incorporated persistent data storage to store and retrieve user comments and track study progress
• Implemented IBM's Carbon Design System for user interface design to achieve a clean and streamlined user experience
- **Utilised:** Vue 3 • Nuxt 3 • TypeScript • Tailwind CSS • Carbon Design System • Caching • Persistent Data Storage

University of Auckland Morotsport Club Mobile Application
• Developed a cross-platform mobile App for my University Club to share news and upcoming events using React Native and Expo
• Created a backend API for the App with AWS DynamoDB and AWS Lambda using the Serverless framework
• Maintenance of the App including posting new articles, fixing bugs and issuing updates
- **Utilised:** React Native • Expo • React Router • AWS DynamoDB • AWS Lambda • The Serverless Framework

Software Skills

Proficient: JS/TypeScript • C# • AWS • React/Gatsby • .NET • React Native • Angular • Three.js • GSAP • Java • Python
Familiar: Go • C • VB • SQL • Vue/Nuxt • GraphQL • Jest • Cypress • Chromium SDK • Docker • TeamCity • Octopus