RUPERT PATERSON

Software Developer, Designer, Problem Solver

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ABOUT

Experienced Frontend Engineer with over 5 years of expertise in React, TypeScript, and modern frontend architectures, specializing in building intuitive, accessible, and high-performance web applications. Skilled in driving product evolution, improving code quality, and enhancing user experiences through thoughtful design and collaboration. Strong background in UI/UX, performance optimization, and scalable codebases. AWS Certified with a passion for creating simple yet powerful solutions that make a meaningful impact.

EDUCATION

2024 - Present
Massey University

Bachelors of Information Science

- Majoring in Software Engineering with a Mathematics minor, focusing on software development, algorithms, and computational analysis.

2020
Monash University

Certificate in Full Stack Development

- Front-end and back-end development, including HTML5/CSS3, JavaScript, Node.js, React.js, jQuery, AJAX, and the MERN stack.

2020
Peak XD Academy

Certificate UX Accelerator Program

- Training in UX design, covering user research, co-design, information architecture, interaction design, visual design, prototyping, and usability testing for user-centered digital experiences.

EXPERIENCE

2025 - Present
Rupert Paterson
Sole Trading

Software Developer

- Built a training management system using Serverless, React, Node JS, MySQL and AWS.
- Built a custom subscription management system for a user portal using React, Django, PostgreSQL, Chargebee, and AWS.
- Built a IOT sync function for managing device status on a web application using Lambda, DynamoDB and IOT Core.

2024 - 2025
Manage My
Renewals

Senior Software Developer

- Re-built the React-Native mobile app from scratch using modern technologies.
- Implemented a new subscription management flow while upgrading the the UI state management library used within the application, increasing efficiency and decreasing security risks.
- Created designs in Figma to translate stakeholder vision into developer ready prototypes.

2022 - 2024
Rollercoaster
Digital

Senior Software Developer

- Led the development of the the clients product, developing new features like OCR uploading with AWS Textract and Web-sockets and a customer portal with modern React and Sass.
- Implemented best practices in software development, accessibility, and code design, improving code quality and reducing duplication.
- Collaborated with key stakeholders and customers to align software design with user needs increasing new customers by 300%.

EXPERIENCE

Continued

2021 - 2022

Officeworks

Full Stack Developer

- Developed and launched new features for the Print & Create section of the website, of note was upgrading the virus scan solution using infrastructure as code.
- Worked closely with a cross-functional team to perform maintenance tasks and resolve bugs using monitoring tools like Datadog and Sumo Logic.
- Contributed to project planning and alignment with product management to ensure well-defined and prioritized work.

2021

Rollercoaster
Digital

UI Developer

- Conducted in-depth user experience analysis, improving navigation and UI consistency with Figma and then developing in the Angular framework.
- Managed project timelines and implemented updated UI designs, ensuring timely project delivery.
- Successfully tackled ambiguous problems by providing clear technical direction and fostering team alignment.

2020 - 2021

Your Creative

Junior Developer

- Developed visually stunning websites using the Jamstack architecture.
- Seamlessly integrated GraphQL with WordPress backend to React Gatsby/NextJS frontends.
- Balanced trade-offs to deliver effective solutions that aligned with long-term goals and engineering principles.

2013 - 2020

NZ Army

Heavy Diesel Mechanic/ Soldier

- Supervised fleet maintenance and conducted field repairs in challenging environments.
- Provided guidance and leadership to a team of junior soldiers, fostering collaboration and problem-solving.
- Demonstrated adaptability by quickly adjusting to dynamic and evolving circumstances.

SKILLS

Core Knowledge

React	Next JS
JavaScript	Tailwind
TypeScript	Accessibility
CSS/ SASS	React-Native

Cloud & Backend

MySQL	REST
PostgreSQL	Python
AWS (Certified)	Django
GraphQL	Node JS

Performance & Testing

Jest	Webhooks
Vitest	WebSockets
Cypress	Microservices
React Testing Library	Optimisation Knowledge

Tools & Collaboration

Git	Driven
Agile	Empathy
CI/CD	Adaptability
Documentation	Self-Motivated