

Rhys Clark – Cover Letter

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Dear Hiring Team,

I am an enthusiastic and dedicated professional, I am excited about the opportunity to contribute my skills and expertise to a dynamic team. With a strong willingness to learn and a passion for continuous improvement, I am confident in my ability to make a meaningful impact.

My journey thus far has been marked by a proactive approach to personal and professional growth. I thrive on challenges and am eager to take on new opportunities that allow me to expand my horizons. The prospect of joining a forward-thinking team resonates with my desire to evolve and excel in a collaborative environment.

Beyond my professional endeavours, I am an avid gamer, a pursuit that has enhanced my problem-solving abilities, strategic thinking, and adaptability. These skills, coupled with my dedication to learning and growth, make me a well-rounded candidate for the position.

In my two previous roles, I've had the unique opportunity of being the sole full stack developer, which has allowed me to rapidly acquire comprehensive skills and experience in end-to-end development. This experience has been invaluable as it enabled me to independently handle every aspect of application development, from inception to deployment, without the need for external assistance for bug fixes, code adjustments, or troubleshooting.

One key differentiator in my experience is my track record of building entire online applications from the ground up, a responsibility that extended beyond mere bug fixing or minor changes. This level of autonomy and accountability has honed my skills and aptitude for taking ownership of projects and delivering complete and robust solutions. The challenges I've faced while working independently have significantly accelerated my learning curve, allowing me to not only gain proficiency in React within two years but also to cultivate a deep understanding of the entire development lifecycle.

While my official React experience may span two years, my role as the sole developer has given me a level of hands-on exposure that is beyond what is typically gained within that timeframe. This practical experience in creating, refining, and optimizing complex applications has equipped me with a wealth of insights that set me apart from a traditional junior developer. Through this immersive experience, I've effectively transitioned beyond the realms of a junior developer, having shouldered the responsibilities of a mid-level developer with a depth of hands-on exposure. I am confident that my unique background, dedication, and determination to excel make me well-prepared to excel in the React Developer role at Learning with Experts.

Thank you for considering my application. I look forward to the opportunity to discuss how my extensive experience aligns with your needs. Please feel free to reach me at **07783557905** or rhysclark14@yahoo.com to arrange a conversation.

Attached, you will find my CV for your review. I appreciate your time and consideration.

Sincerely,

Rhys Clark

Rhys Clark	
Personal Info	
Phone	07783557905
E-mail	Rhysclark14@yahoo.com
Skills	
Programming Languages / Skills:	
Adept at:	HTML, CSS, JavaScript, JSON, SASS, Rest API, GIT.
Intermediate at:	jQuery, Node / Express, React, MongoDB, Typescript.
Beginner at:	SQL, PHP, EJS, React Native.

Creativity:	
	Able to design and implement visually appealing and functional design elements.

Debugging:	
	Proficient use of chrome Devtools for identifying bugs.

Problem Solving:	
	I am proficient at problem solving, this has come in great when working with languages I had previously never been near. (Working with PHP in WordPress).

SEO:	
	Knowing the inner workings of Google and Bing to get great SERP results.

Profile	Portfolio Website: https://www.rhys-clark.com
	Creative Full Stack Developer. I have a serious passion for UI / UX, animations and creating intuitive, dynamic user experiences. Constantly expanding my knowledge of languages to be better at what I do and be able to bring more to the table.
Experience	
	<u>Full Stack Developer - Circadian Lighting (May 2023 - Current)</u>
	Having worked at the company for around 1.5 months and proving my understanding of and my ability to work in the backend, I was promoted to Full-Stack Developer. This involved creating end points in an express app that interfaced with both: the Front-End and Python Backend.
	I have also created a Device Registration API that generates a key that is sent back down to the device after initial authentication is completed. This is used to encrypt the body during transit and is also used to generate a HMAC that is sent down with the request (Using deviceld, timestamp and body. On the express backend I have created a middleware that authenticates HMAC and either allows the request to proceed or sends it back to sender.
	<u>React Front-End Developer - Circadian Lighting (April 2023 – May 2023)</u>
	Being a startup, this role is very demanding but fun and has allowed me to grow my skills even further. Being brought on to develop and maintain a front-end application for carers to use, this app took in lots of data from a database (Using Firebase) and created visual charts for easy consumption (Using Recharts) also allowing the user to define what data and from what room they wanted to view.
	The Front-End app was designed and built solely by me using React, Redux, Typescript, Jest & Webpack. This solidified my understanding on the need for Global State Management as well as the need for unit testing and Typescript.
	While developing this app I spoke to the backend dev about the notification storage not being scalable due to the front end hanging, this ended in us changing the way the database was laid out.
	With the app using live data it needed to update as the data changed so this was done with react hooks. Specifically, useEffect. This also allowed live notification implementation.
	<u>Full Stack Developer – Bob Rudd Ltd (Dec 2022 – April 2023)</u>
	Having created a React Game for Bob Rudd, they offered me a job. Being the only developer on the team, my job included many roles.
	From developing React based games to developing an ERF web-based system for the employees to use for training manuals, request holidays etc. I also built a data extraction tool to pull info from an API into an SQL database which fed directly into a Data Analysis SAAS (Qlik).
	In this role I also had to create technical specifications for each module, then I had to create a design and fulfil it in development. This gave me a great knowledge base on taking a project from start to finish in a more professional environment than freelancing.
	Portfolio Website: https://www.rhys-clark.com

Experience Continued

Team Player

Work proficiently and effectively as a part of a team to get work done quickly and of the highest quality. Knowledgeable on the Agile methodology

Facebook Ads:

Able to find and test audiences, ad-sets and ad copy effectively and then scale successfully.

Google Ads (PPC):

Able to find and use specific keywords and search terms to drive High-Quality traffic to a website.

Hobbies

Gaming
Reading
Watching Sci-fi
Gardening
Designing

Freelance Web Developer / Designer (September 2020 – January 2023)

- Developed responsive and consistent page layouts for cross-browser compatibility (Chrome, Edge, Safari, Opera, etc.) across various devices, ensuring an enjoyable user interface.
- Conducted comprehensive SEO analysis, resulting in increased search engine ranking (SERP position) and improved page load time. Achieved an impressive 1000% increase in impressions within 11 months.
- Created website designs based on client requirements obtained during meetings, effectively translating their vision into visually appealing and functional websites.
- Proficient in installing and integrating Node packages into web applications, leveraging the power of the Node.js ecosystem to enhance website functionality.
- Extensive experience working with web hosting infrastructure, including uploading, and updating websites on VPS with NGINX using Proxies.
- Demonstrated expertise in the end-to-end web development process, encompassing technical specification, design, development, and deployment. Skilled in hosting multiple sites on a VPS with nginx.

API Creation with JWT & Notification Service (With HMAC)

Successfully developed APIs using JWT (JSON Web Tokens) and implemented a notification service with HMAC authentication. Created a custom API to receive authenticated notifications from Autotrader, saving relevant data to a MongoDB database for interaction through the front end. Achieved cost optimization by circumventing additional charges from Autotrader.

React WebView Game (Utilising 2 Screens)

Implemented a React WebView game called "Football Sweep" as a custom solution for a previous client that utilised 2 screens (A Customer Screen & An Admin Screen) Messages were sent between the 2 to communicate. The game featured dynamic, unique number generation, a grid-based interface, a timer / countdown, and automatic jackpot calculations based off of ticket price and share options setup on the "game setup" page. Additionally, incorporated game setup options, background image selection, player name validation through number assignment, and animations using the GSAP library.

The game also utilised a save game and load feature using the custom SDK that provided the support for 2 screens.

Capable of providing a demonstration upon request. To see this working, please ask.

React Weather App

Created a React Weather app with Current & 5 day / 3-hour weather forecast. Which is a bit different from people's usual portfolio pieces which normally don't include 3-hour forecasts. This took a bit of sorting through the API response to get the dates separated to achieve this.

MERN Todo App

I created a MERN Stack to do app with Typescript to utilise almost everything I have learned in the past few years. This involved the creation of an API with Express to interact with Mongo DB.

Education

- To learn Web Development, I have completed Udemy courses as well as watched a multitude of YouTube videos. Although I have no certifications, I do have a portfolio of websites I have completed and launched.
- I am constantly expanding my knowledge of both: languages I currently know, and new languages and it would be great to learn in house and I would be open to all opportunities to learn any new language or framework.

Summary

- Self-independent, reliable and friendly individual who works hard to achieve his goals.
- Quickly adaptable and well organized which shows in my code and file layout.
- Interested in learning the latest web and software technologies as quickly as possible.