Christian Frattini - Junior Software Engineer

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SUMMARY

I am a versatile software developer proficient in JavaScript, TypeScript, React, and CSS, with experience building responsive web applications. I have a strong understanding of front-end development, UI/UX principles, and component-based architecture as well as a good understanding of back-end development. I'm capable of writing clean and maintainable code and I'm always eager to adapt and explore new technologies to enhance my skills and stay up to date with industry trends. I'm ready to contribute to innovative projects while continuing to grow my tech stack.

EDUCATION AND QUALIFICATIONS

Newcastle University, Electronics and Computer Engineering (BEng)
2019-2023

- **Lower Second-Class Honours (57.7%)**.
- Modules studied: Java Programming, Security and Programming Paradigms, Building systems for people.

RELATED EXPERIENCE

Developer at BoxedCat LTD (Start-Up)
December 2023 – Present

- **Client Collaboration**: Actively collaborate with clients to gather and understand requirements, translating business needs into responsive and visually appealing front-end applications.
- **Front-End Development**: Expertise in building and maintaining user-centric web applications using modern technologies such as **React**, **JavaScript**, **TypeScript**, **HTML**, and **CSS Tailwind**. Focus on ensuring smooth user experience (UX) through optimized performance and intuitive design.
- **State Management**: Implement advanced state management techniques using **Redux Toolkit** and other React libraries to create scalable, efficient, and maintainable applications that meet client specifications.
- **Back-End Integration**: Utilize **MongoDB and Prisma** for back-end data storage, ensuring robust and secure connections between front-end interfaces and server-side data.
- **Deployment & Maintenance**: Responsible for deploying and maintaining websites on platforms

like **Vercel** and **Netlify**. Skilled in continuous integration and deployment (CI/CD) practices to streamline updates and feature releases.
- **Client Communication**: Engage with clients throughout the project lifecycle to ensure alignment on functionality, design, and overall business objectives. Provide regular progress updates and gather feedback for iterative development.
- **Business & Pricing Analysis**: Conduct in-depth analysis of client business models to propose customized website functionalities. Develop tailored pricing strategies based on complexity, feature sets, and ongoing maintenance needs.
- **Agile Development**: Emphasize **Agile software development** principles, including sprint planning, regular code reviews, and iterative testing, to deliver high-quality products on time. Contribute to both verification and testing processes to ensure project integrity and functionality.
- **Skills Applied**: Extensive application of **Agile methodologies**, collaborative team communication, problem-solving, testing, and continuous improvement to meet project goals efficiently.

EXTRA-CURRICULAR ACTIVITIES

Completed Coursework: Crwn Clothing eCommerce website

June/2023-July/2023

Extracurricular coursework aimed to develop a full eCommerce website using React and the tools available for front-end engineering. The application includes a catalogue saved on the Firestore Database that is fetched every time the app loads and a user login section that allows the user to register with either Google or by manually typing email and password. React redux, sagas, hooks and routing have been implemented to provide an efficient and scalable environment. Furthermore, Stripe payments have been included in the checkout form. The website has been deployed using Netlify and available at: https://calm-caramelaa0d16.netlify.app.

Recipient of Academy Spark Change Prize

May/2021

Nationwide competition for university students aimed to bring creativity into solving a societal problem by designing an app. The competition required submitting a series of flow diagrams and a basic structure of the app along with a video presentation. The idea presented placed among the top 25 securing a cash prize.

Coding Activities:

• **I am currently partaking in Udemy courses for web development** to help with my personal project. From the courses, I am learning the latest features of typescript and React as well as basic AI implementation.

ADDITIONAL SKILLS

Languages Italian(Native), English can fluently/professionally speak.