# Pierre Charles

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## PROFILE

A multi-disciplined software engineer with a strong interest in front-end web development and a passion for UX/UI. Expansive knowledge of different technologies and tools attained through personal and professional projects. With experiences from working at pet insurance, energy providers, security as well as travel/tourism-based companies, I am now looking to expand my technical and professional skillsets in a new environment and contribute to a company that offers both challenging work and rewarding opportunities.

## EDUCATION

### First-Class Honours - BSc Computer Science with a Year in Industry

University of Kent - Canterbury, Kent

*September 2016 – June 2020*

## TECHNICAL SKILLS

- TypeScript
- JavaScript
- Vue.js
- Pinia
- Vuex
- React.js
- Redux
- Node.js
- Next.js
- Express.js
- Sass
- Firebase

## PROFESSIONAL EXPERIENCES

### Frontend Developer

ManyPets – Farringdon, London

*August 2022 – Present*

- Working on a vet portal application that was handed over by external consultants
- Migrating the application from Vue 2 to Vue 3 while also transitioning from Options API to Composition API
- Introducing state management to the application by using Pinia and VueUse for persistent storage
- Creating reusable components, making them accessible and adhering to perfect Lighthouse scores
- Utilising and building upon an in-house component library using Storybook
- Maintaining admin and client views while introducing feature flagging
- Introducing unit, component and system tests to an application that had 0% coverage
- Liaising with users of the application and collecting feedback to improve and provide a user-friendly application
- Introducing linting and other tools to maintain code efficiency and making sure that the codebase is using the latest, up-to-standard coding practices
- Maintaining backend code that was built using Node.js and AWS Amplify
- Using Sentry as the primary source for error tracking, alerting and monitoring the application
- Using Cloudwatch to monitor backend logs and pay close attention to any errors/failures that can be tracked while debugging the application
- Using Heap.io for tracking how users are utilising the application and monitor areas where elements are being consistently used or not used at all

## Developer
MoneySupermarket/Decision Technologies – Tottenham Court Road, London
*June 2021 – August 2022*

- Worked on B2B and B2C applications using Typescript, Vue.js and Vuex for state management
- Migrated a B2C SPA (MoneySavingExpert) into a white-label platform while maintaining consistency and accessibility
- Created features that have been A/B tested using Optimizely with the hope to produce better metrics and improve conversion throughout the website
- Created unit tests using Jest to thoroughly test components and stores to ensure that every possible use case has been met and minimise errors
- Reviewed pull requests while also making suggestions and finding room for improvement where appropriate
- Worked in a diverse team of frontend and backend engineers following a strict Kanban approach
- Used Postman to test and understand endpoints that the backend team have worked on to use them in frontend tickets

## Software Engineer
Garrison Technology Ltd – Waterloo, London
*July 2020 – June 2021*

- Worked on multiple front-end applications using ReactJS and Redux for state management
- Liaised with backend teams to ensure that all actions and events made on the front-end successfully communicate with a Python API
- Worked in an Agile environment formed of hardware, firmware, DevOps, customer success engineers, marketing specialists and sales representatives
- Contributed to UX/UI decisions and creating designs with a focus on accessibility for customer-facing applications
- Used Storybook to create an internal library for importing and using UI components in many front-end platforms
- Wrote and reviewed end-to-end tests using Cypress and Puppeteer to enforce rigorous testing on newly added features and components
- Created pipelines using GitLab CI to ensure that all environments are monitored and tested when new code changes take place
- Mentored new starters and placement students, teaching the fundamentals of front-end web development

## Front-End Engineer (Industrial Placement Year)
Holiday Extras Ltd – Hythe, Kent
*July 2018 – August 2019*

- Worked in an Agile environment in teams formed of engineers, content writers, testers and agile coaches
- Created new features on the Holiday Extras website by learning JavaScript and making use of many libraries such as ReactJS, NodeJS, Backbone, Moment, Lottie etc.
- Wrote and reviewed other engineers' code while also ensuring unit tests were written for all work being delivered
- Used GitHub as version control to submit and review code daily
- Contributed to UX/UI decisions as well as redesigning multiple sections of the website
- Ensured features supported browsers such as Chrome, Safari, Firefox and especially Internet Explorer

## REFERENCES
Available upon request