Pierre Charles

37 Raymead Avenue, Thornton Heath, Surrey, CR7 7SB
+44 79308 26641

p.charles0501@gmail.com   pierre.codes
linkedin.com/in/pcharles97   github.com/Pierre-Charles

Experienced front-end developer with a track record of delivering innovative, user-friendly and accessible web solutions. With a passion for UX/UI design and a deep understanding of front-end technologies, I have successfully delivered projects for a diverse range of industries including homeowners/tradespeople, pet insurance, energy providers, security, and travel/tourism. Seeking a challenging role that offers growth opportunities and the chance to make a meaningful impact where I can bring my technical expertise and creative vision to contribute to the success of a dynamic organisation.

Technical Skills

TypeScript	Redux	Pinia
JavaScript	Node.js	Express.js
React	Vue.js	Sass
Next.js	Vuex	Styled components

Professional Experiences

Senior Frontend Engineer · Checkatrade
May 2023 – April 2024

- Worked alongside product managers, designers, and other engineers to transform creative concepts into refined digital experiences at an agile (2-week) cadence
- Played a pivotal role within the core frontend team to optimise Checkatrade.com using Next.js and TypeScript, prioritising AB testing methodologies to continually enhance user experience and performance
- Actively participated in "code rampages" to reduce technical debt and enhance the codebase. This included transitioning areas from JavaScript to TypeScript, creating reusable and accessible components, while also focusing on testing and code coverage using Jest, React Testing Library, and Playwright
- Introduced Storybook to facilitate code reusability across teams and enhance observability by establishing a toolkit as the brand guideline. Developed high-standard components with a focus on semantics and accessibility
- Took the lead in migrating Strapi from v3 to v4 by creating new GCP projects using Terraform, managing database backups with PostgreSQL, and actively using the Strapi APIs to implement endpoints for complex business logic
- Led the transition from Sentry to Datadog in the frontend, providing comprehensive training to wider teams to effectively utilise Datadog. This included demonstrating how to search/filter logs, create dashboards, alerts, monitors and how to write queries, all while ensuring proactive error detection and resolution
- Collaborated with a team to develop a SPA utilising Google's Solar API, enabling homeowners to visualise solar panel installations and potential energy savings which in turn returns users to the Checkatrade website promoting specialists in solar panels
- Integrated pino.js and pino-http in the Node backend to format and categorise logs being sent to GCP, optimising logging processes for improved system performance and troubleshooting

Frontend Developer · **ManyPets**
August 2022 – April 2023

- Worked on a vet portal application previously managed by external consultants
- Migrated the application from Vue 2 to Vue 3, transitioning from the Options API to the Composition API
- Implemented state management using Pinia and VueUse for persistent storage
- Designed reusable, accessible components and achieved optimal Lighthouse scores
- Introduced comprehensive unit, component and system tests to an application that had 0% coverage
- Maintained backend code built with Node.js and AWS Amplify
- Utilized Sentry for error tracking, alerting, and monitoring
- Monitored logs using Cloudwatch, addressing errors and failures during investigations
- Tracked and analysed user behaviour with Heap.io to identify areas for improvement and optimize the application's performance

Developer · **MoneySupermarket**
June 2021 – August 2022

- Developed B2B and B2C applications with a focus on Typescript, Vue.js and Vuex
- Successfully transformed a B2C SPA (MoneySavingExpert) into a white-label platform while preserving consistency and accessibility
- Implemented features that underwent AB testing using Optimizely to drive better metrics and improve conversion
- Conducted comprehensive testing of components and stores through Jest unit tests, reducing errors and covering all use cases
- Worked collaboratively in a team of frontend and backend engineers, adhering to Agile methodologies

Software Engineer · **Garrison Technology**
July 2020 – June 2021

- Developed multiple front-end applications using React and Redux, providing a seamless user experience.
- Collaborated with the backend teams to ensure seamless communication between the front-end and Python API
- Played a key role in UX/UI decision-making and designed customer-facing applications with accessibility in mind
- Utilized Storybook to establish an internal library for efficient use of UI components across multiple front-end platforms
- Implemented and reviewed comprehensive end-to-end testing using Cypress and Puppeteer to validate new features and components
- Established pipelines using GitLab CI to monitor and test all environments, ensuring the reliability of code changes

Education
University of Kent, Canterbury
First-Class Honours Bachelor of Science in Computer Science with a Year in Industry
September 2016 – June 2020