

Sam Trindade Morgan

Full Stack Developer with a primary focus on Front End

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Experience

Full Stack Developer, Beacon Technology, UK (remote)

Jan 2022 - Sept 2023(1y 9m)

At Beacon Technology I worked on their SaaS product which provides data capture, extraction, transformation and visualisation to support SMEs in improving productivity and achieving net zero ambitions.

- Developed a responsive data visualisation dashboard on the React front-end, including integrating REST API requests and building the unit tested back-end API routes to update the MongoDB documents.
 - Implemented drag and drop functionality - supporting resizing, deleting and adding new chart components, and pages to the dashboard.
 - Developed responsive chart components with SVG elements including a multi-series radial bar chart and multi-series linear and radial gauge charts.
 - Built colour palette UI and UX, including a colour palette builder which included a colour picker and contrast validation, colour tag functionality to support assigning colours to chart series and elements.
 - Built re-usable components for use in ReCharts and custom chart components, including tooltip, responsive X and Y axis with auto generation of ticks in numeric and time/date format for much improved UI and UX.
 - Designed and developed the data filtering UI and logic which interacted with the data provider context facilitating real-time updates to the data visualisations, filtering functionality included time range, categorical and quantitative filtering.
 - Developed the generic chart functionality to handling common features including data loading and error states with appropriate fallback UI, full screen dialog view and chart configuration UI.
- Transformed the exiting MVP user authentication function by implementing a polished UI and UX on the front end and unit tested code on the back-end, the existing code included an AWS Cognito user pool, front-end user sign-in and back-end authentication with JWT. I developed production code to support:
 - Password change, implementing AWS Amplify on the front-end.
 - Password reset, implemented API route on the back-end to update the user's status in the database and the AWS Cognito user pool, dispatch an email to the user with AWS SES.
 - User account setup including capturing validated user data from the front-end form, making a put request to the back-end and developing the back-end API route to update the user details in the MongoDB document.
 - User invitation, implemented adding a new user to an organisation's account, capturing the validated front-end form data, building the back-end API route to add the user to the database and the AWS Cognito user pool, and send the new user a welcome email using AWS SES.
- Developed features on the React Native Expo app including; porting the web app authentication and adding native specific functionality including keychain and face id / recognition, developing the app navigation with React Navigation, implementing bottom tabs, nested navigators and header button, built a barcode scanner component and user settings function including, user details, theme selection, security preferences and sync settings.
- During my time at Beacon Technology I
 - Worked extensively with Material UI components, Styled components, CSS and HTML
 - Built forms using React Hook Form with Yup providing validation.
 - Utilised React hooks, custom hooks, React context and used GitHub for version control.
 - Worked in an Agile team using Jira's Kanban board.

Experience continued

Director, Base Models, London UK

2013 - 2022 (8y 2m)

- Managed daily business operations while actively contributing to shaping the company's strategic direction.
- Oversaw the entire project pipeline, from initial client inquiries to pricing, project management, and delivery/installation at home and abroad.
- Spearheaded the implementation of cutting-edge capabilities, including the adoption of modern CAD workflows, 3D printing and CNC machining, intricate LED model lighting solutions including app-controlled lighting systems for marketing purposes.

Associate Project Supervisor, Foster + Partners, London UK

2004 - 2013 (9y 2m)

- Led a team of 4 model makers, ensuring the timely delivery of crafted models for time-critical prestigious projects such as Apple Park Cupertino, various international Apple stores, London's iconic Gherkin, Battersea's Power Station.

Skills

Front End

React
Next
MUI
CSS
Tailwind
HTML
React Native

General

JavaScript
TypeScript
Git / GitHub
Jest
Agile
Jira
esLint / Git Hooks / Husky

Back End

Express
Node
MongoDB
AWS

Certifications

Microsoft 98361MTA
Code Academy Learn TypeScript

Education

Firebrand Training, Digital Skills Bootcamp, Remote UK

Oct 2021 - Dec 2021

- 12 week introduction to software development
- Technologies - C#, SQL, .NET
- Microsoft 98361MTA Software Development Fundamentals certification

Free Code Camp, Web Development, Online

2021

- Started my coding journey learning Web Development basics
- Achieved Responsive Web Design and JavaScript Algorithms and Data Structures certifications

Kent Institute of Art and Design, BA(hons), Modelmaking, Rochester, UK

2004

Continuous learning

I plan to soon begin the Harvard University's CS50x introduction computer science, then learn more Python, more TTD with Cypress, Storybook, AWS and GraphQL.

Interests

- Engaging in various running endeavours, ranging from half marathons to mountainous ultra-marathons.
- Exploring the art of playing jazz on the guitar.
- Baking.