

# Thomas Newman

## Frontend Consultant

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### SKILLS

#### Languages

JavaScript: 8 years  
TypeScript: 3 years  
HTML: 8 years  
CSS: 8 years  
Java: 1 year (last used 2022)  
C#: 3 years (last used 2017)

#### Libraries

React: 6 years  
MiddyJS  
XState  
React Hook Form  
Zustand  
Mobx  
Redux  
Styled Components  
Material UI  
Chakra UI

#### Frameworks

Node: 5 years  
Next: 2 years  
Express: 3 years  
Remix  
SolidJS  
Koa

#### Cloud

AWS Lambda: 2 years  
AWS S3  
AWS Gateway

#### Testing

Jest: 6 years  
Vitest: 1 year  
Testing Library: 3 years  
Playwright  
Cypress  
Testcafe

Frontend Developer, with a history of full stack development and over 8 years of industry experience including 5 years in consulting. Thrives in agile environments, fostering collaboration and code pairing. Demonstrates a strong passion for continuous learning and has a proven track record of quickly adapting to new technologies. Derives great satisfaction from thoroughly testing across all areas, including unit, integration, acceptance, and end-to-end, while utilising the principles of Test-Driven Development (TDD).

### EXPERIENCE

#### Frontend Consultant

Ensono Digital

August 2022 - present

#### Miracle App

February 2023 - present

Sole engineer for a project that started life as a 3-day hackathon. This prototype mobile only app is for cardiologists to calculate risk for out-of-hospital patients after a cardiac arrest - <http://tinyurl.com/miracle2score>

#### Responsibilities

- Updating the visuals from new Figma designs to the project using Chakra UI and theming
- Solely responsible for the productionisation of a prototype codebase using TypeScript, Next.js, React, react-hook-form, Zustand and XState
- Demonstrating new changes to the cardiologist for regular feedback

#### Key Achievements

- Finding the balance between updating a prototype and making sure functionality and visual updates can be demonstrated regularly
- Introducing new global state management using Zustand
- Complete restructure of the codebase to separate areas of responsibility and for easy transfer to another framework if required
- Creating a new complex dynamic form feature using an XState machine driven by data changes
- Stakeholder management with recommending priorities and approaches on key features

#### The Gym Group

November 2022 - February 2023

Working in a scrum team for an e-commerce website -

<https://www.thegymgroup.com/>

#### Responsibilities

- Writing clean code in TypeScript, React, Next.js and Node
- Solely responsible for developing a node service for cache management to Cloudflare APIs with services integration (Amplience CMS, Clubware)
- Writing acceptance tests with Cypress for user journeys and unit tests using Testing Library
- Writing integration tests for the node service using supertest

### Key Achievements

- Investigated and solved issues with the Amplience sdk for payload validation
- Introduced supertest to the team and demonstrated the value it provides for testing and highlighting issues in node services
- Promoted working in code pairing sessions to demonstrate the benefits of knowledge share and problem solving

August 2022 - November 2022

Working on various company tasks during time away from projects

### Responsibilities Include

- Creating a proof-of-concept micro services mono repo for a client and presenting feedback and suggestions with ADRs
- Initial investigation to custom plugins for Nx for the in-house stacks project to enhance the opinionated setup for front end projects, feedback and suggestions with ADRs

### Key Achievements

- Discovered federated modules with webpack and Angular
- Discovered how to write ADRs

## Full Stack Engineer Consultant

Infinity Works

June 2021 - August 2022

### Sky Bet

April 2022 - June 2022

Working in an agile team for the sporting life website - <https://www.sportinglife.com/>

### Responsibilities Include

- Writing clean code in JavaScript, React, Next.js, Node, Java (Dropwizard) for a SSR website driven by data feeds (AWS Kinesis, SQS) and an in-house CMS which is updated by content editors
- Working with databases in Postgres running on AWS RDS and Kubernetes (AWS EKS) that supports the Continuous Delivery of the site
- Developing features and fixes to the in-house CMS (React, Java) which is coupled with AWS S3 and Cognito
- Writing automated acceptance tests using testcafe and unit tests using Enzyme

### Key Achievements

- Enabled and documented a development environment for 2 legacy Java APIs to unlock the ability to support them (previously not touched in 4 years) and provided some overdue bug fixes for the client
- Started promoting the importance of testing to the team and driving the initiative to elevate a large gap in the automated testing area
- Currently promoting to switch over to Testing Library for testing going forwards
- Promoting the idea of vertical sliced stories instead of horizontal technical tasks and the value this can provide to the client and our ways of working and collaboration

### Novuna (previously Hitachi Capital)

June 2021 - March 2022

Working in one of 3 agile feature teams and being part of delivering the new live version of a digital application, Mercury - <https://www.novuna.co.uk/business-finance/mercury-hub> <https://www.mercuryhg.co.uk>

### Responsibilities Include

- Writing clean code in TypeScript, React, Node (AWS Lambda/Middy) for a serverless application that communicates with an in-house API Gateway
- Supporting the company junior engineers and consulting the client engineers on best practices
- Delivering MVP features ready for the application go live using vertically sliced user stories
- Consistent user stories refinement with the business PO and technical refinement with the teams' engineers
- Writing automated feature/acceptance tests using Gherkin wrapped testcafe
- Delivering an application styling rebrand within a 4-month deadline that required a single switch on mechanism

### Key Achievements

- Demonstrated to team members on benefits of good state management, effective unit testing with Testing

Library, refining of coupled code that is not so easily extendible and the long-term effects

- Partially lead the engineering approach for the rebrand of the site styling, which needed to be done in parallel with the current brand until the go live on the brand switch over deadline
- Performed an application workflow update to improve the user journey performance and decoupled a lot of state management
- Upgraded the Material UI library from v4 to v5 and demonstrated the benefits of the upgrade to the teams
- Picked up TypeScript quickly after a 3-year commercial hiatus and React after 1 year hiatus

## Full Stack Engineer Consultant

Buildit | Wipro Digital

July 2018 - May 2021

### Lloyds Bank

July 2020 - May 2021

Working in an agile feature team for migrating the Payments systems to event driven microservices.

#### Responsibilities Include

- Developing clean code for event driven microservices in Java and Spring Boot
- Writing concise unit and integration tests with JUnit and Mockito whilst consulting the client on the distinction between unit and integration tests

#### Key Achievements

- Ability to pick up and work with previously unfamiliar technologies; Java, Spring Boot, JUnit, Mockito, Maven, Kafka and Camel
- Gained recognition for self-learning microservices and Kubernetes in spare time and was approached for this new opportunity for the client
- Coaching other team members on story acceptance criteria, unit testing and agile ways of working
- Gained a grade promotion in December 2020

### Scottish Widows

July 2018 - July 2020

Working in agile feature teams for Scottish Widows in a lab setting for Workplace Pensions web applications.

#### Responsibilities Include

- Developing clean front-end and back-end code in React and Node
- Working with CI and CD technologies such as Jenkins, GitLab, GitHub, Rancher and Docker
- Writing concise unit tests with Enzyme whilst ensuring a clear distinction between unit and integration tests
- Working with the team collaboratively using Jira and Kanban to agreed processes/WIP limits
- Working to vertical sliced user stories with regular collaborative reviews of acceptance criteria
- Regular code reviews to ensure consistent code quality across the application
- Contributions to a cross functional shared component library, based on styled-components

#### Key Achievements

- Keeping up to date with latest tech in spare time, e.g., React Hooks
- Gained recognition for huge leaps in self-learning during first 12 months and achieved a nomination for grade promotion

## SharePoint Developer

CompanyNet

May 2016 - July 2018

Working on bespoke solutions, change requests and enhancement projects for customers Whyte & Mackay, Scottish Water, Tesco Bank, Interbev, Highland Spring, Hymans Robertson, Cairn, Scottish Housing Regulator, Baillie Gifford and Standard Life.

#### Responsibilities Include

- Excellent knowledge of SharePoint 2010/2013/2016/365 development
- Excellent knowledge in using C#, JavaScript/JQuery, React/TypeScript to create SharePoint components (Web Parts, WCF, Modern Framework Web Parts/Customizers)
- Good knowledge in developing Web Forms in C#, including using LINQ to SQL and Entity Framework
- Packaging, testing and deployment of solutions to Integration, UAT and Production environments
- Instrumental in the transitioning of solutions to the Support Team

### Key Achievements

- Gained promotion to SharePoint Developer after only 18 months in Support Developer role
- Continuous personal development of latest SharePoint 365 technologies TypeScript/SPFx/React
- Retained involvement in the Support Team for higher level support requirements and supporting the junior members

## SharePoint and CRM Support Developer

### CompanyNet

November 2014 - May 2016

Working in a support team capacity for customer projects in SharePoint and Dynamics CRM.

### Responsibilities Include

- Taking ownership and management of over 15 customers' support requests simultaneously
- Debugging code and applying fixes to solutions in a timely and responsive manor
- Investigating bugs and issues raised by customers whilst maintaining high levels of communication

### Key Achievements

- Continuous personal development of core skills such as C# .NET, PowerShell, JavaScript and JQuery
- Continuous improvement in developing investigational skills in finding causes of bugs and issues
- Successful migration of 2 SharePoint projects from SharePoint 2010 to 2013
- Administering, installing and maintaining SharePoint server farms (SQL Server, SharePoint Cumulative Updates/Patches)
- Successful time management in fixing bugs and issues to ensure regular resolution of support requests

## EDUCATION

### University of Sheffield

2000 - 2003

B.A. (Hons.) Popular Music Studies 2:2

### Burleigh Community College, Loughborough

1996 - 2000

2 A-Levels and 9 GCSEs