Niall Moore
Software Engineer

SUMMARY

Creative and product-focused software engineer. Combines an excitement for the possibilities technology brings with a passion for creating user-centred web and desktop applications through innovative and data driven approaches.

Education

University of Bath, (BEng) Mechanical Engineering
First Class Honours (2019)

WORK EXPERIENCE

Mar 2024 — Present **Software Engineer at Adappt | UK, London**

Recent Projects:

Gov - Social modelling - scenario based conversational model - Create realistic conversation model based around predetermined events for a network of relationships

- Designed and implemented automated relationship generation and conversational planning
- Developed model to generate event based conversations from multiple perspectives (ie parallel conversations regarding the same event)
- Leveraged gen AI in automation of multimodal media incl. voice notes, images and calls

Mizuho - Merlin - Fixed income trading - replace legacy trading interface with a React/TypeScript micro frontend architecture and Openfin (chromium based desktop framework/platform).

- Created sales ticket system including dynamic UIs for multiple quote types, window management to create and save custom layouts, functionality to register tickets and publish data
- Developed a commenting service with automated metadata enrichment for traders to create, tag and share trade ideas across internal apps and external platforms.
- Refactored core functionality including the data provider and filtration system for incoming quotes to ensure robust and scalable operation for traders

WHO - Versity - Learning Management System (LMS) – A TypeScript/Next.js LMS to integrate with existing SCORM based courses used in proprietary training.

- Led project initiation and fullstack development of LMS, integrating SCORM course functionality, user management certification and secure streaming of content from Azure storage.

WHO - SPU - Retrieval augmented generation (RAG) application - A TypeScript/Express api based application to enable WHO to upload, index and query in excess of 30 million documents.

- Implemented split querying to enable multi-leg queries
- Implemented vector db, ANN search algo and retrieval/chunking optimisations

Other Projects: data collection algorithm, AI sentiment trading algorithm.

Mar 2022 — Jan 2024 **Software Engineer (freelance) | UK, London & Goa, India**

Notable Project:

Lazy Bones & Admin CMS (Lazy Bones code / Admin CMS code) – A TypeScript/Next.js e-commerce store and backend administrator cms platform to manage stock, sales, orders and products.

- Created custom ecommerce UI with intuitive product pages, filters, checkout and themes
- Developed backend admin CMS to create/manage multiple stores including sales dashboard, product, media upload with APIs to share content to frontend, automated order creation and stock management with Prisma ORM and integrated stripe checkout/webhooks

Other Projects: Casting Carmina, Booker International, Kavi's Tours of Mumbai, On-demand background colour changer for Partnered Twitch streamer, and more.

Location

London, UK

CONTACT

+44 73 75 599 216

niallam22@gmail.com

niallmoore.vercel.app

github.com/niallam22

linkedin.com/in/niallmoore

SKILLS

JavaScript

TypeScript

Python

C#

HTML

CSS

React

Angular

Next

Node

PostgreSQL

GraphQL

MongoDB

MySQL

Prisma ORM

Vector DB

Express.js

Containerisation

OOP

Web Accessibility

Tailwind

NX