

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

WORK EXPERIENCE

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

Recent Projects:

Merlin - Fixed income trading application - rebuild of a legacy system to a desktop based React/TypeScript micro-service architecture.

- Currently developing a commenting application for traders to create, tag and share trade ideas across different platforms.
- Built a logging system to analyse, debug, and refactor the data provider and filtration system that had multiple points of data loss and logic failure. Core system used by traders and sales persons
- Migrated charting and trader insights applications to a new microservice architecture and integrated with OpenFin platform

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.

SPU - Retrieval augmented generation (RAG) application - A TypeScript/Express api based application to enable a major health organisation to upload, index and query large datasets using LLMs.

- Implemented hybrid of split querying and lexical/vector search to improve retrieval accuracy.

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.

Sep 2020 — Mar 2022 **Founder and CEO at Block Vest | UAE, Dubai**

Conducted research and developed risk-opportunity theses for blockchain projects, resulting in over 5x gains on exit.

Mar 2020 — Mar 2021 **Mechanical Engineer at SteriPack Medical | Ireland, Mullingar**

Initiated, designed and delivered 1.25 million PPE face shields meeting critical demand for national hospitals.

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

C#

HTML

CSS

React

Next

Node

PostgreSQL

GraphQL

MongoDB

MySQL

Prisma ORM

Vector DB

Express.js

OOP

Web Accessibility

Tailwind