Michael Jerred

mjerred.com   github.com/MikeJerred
mjerred.work@gmail.com   stackoverflow.com/u/4854046

Profile

I am a London based contract web developer with 17 years of development experience, 8 of which have been working professionally on a variety of web applications. I first started coding when I was a kid and it has been a lifelong passion, as a result I am able to pickup new languages and technologies with ease.

Expertise

- Angular, Typescript, RxJs, Javascript, HTML, CSS, SASS, Bootstrap, jQuery

- C#, LINQ, Node.js, Express

- SQL, Entity Framework, MongoDB, Neo4j, Apache Solr, ElasticSearch

- Moq, NUnit, Jasmine, Karma

- N-Tier, Event Sourcing, DDD, CQRS, Cloud, AWS Lambda

- Windows, Linux

Achievements

- Senior developer and architect of the front-end for a greenfield project using Angular 7 whilst working as a contractor for Deloitte & AstraZeneca.

- Led the development and designed the architecture for a greenfield project with Centaur Media. By introducing AngularJS to the company and structuring work so that it could be done in parallel more effectively, there were significant gains in productivity and these methodologies saw continued use in future projects.

- Built a data migration tool whilst working for Centaur Media to move a large data set from an existing SQL database into a new project using event sourcing and CQRS. I built the tool using Rx to do work asynchronously, so that it ran fast enough to complete within the target window.

- Built an open-source npm package to provide strongly typed reactive forms for Angular.

Commercial Projects

Contract: TPG
Centaur Media

Initially: September – December 2019
Extension: to April 2020

I came in to help with the development of a new CMS project using Angular, C#, SQL, Elasticsearch, and AWS Lambda. This project has now successfully gone live.

Contract: Merlin
Deloitte & AstraZeneca

Initially: November – December 2018
Extension: to May 2019
Extension: to September 2019

I was the principal front-end developer and architect on a new tool to calculate the costs of clinical trials. I was responsible for structuring the front-end code (Angular 7), mentoring other developers, as well as writing code. I also did work on the back-end (Java, MongoDB) at times when the project required more resources in that area.

Contract: XpKit Analytics Library
Imagination

May 2018

I built a library to replicate the functionality of the segment.io analytics library, but with some adjustments. I built it as an npm package using Typescript, complete with Jasmine unit tests and generated documentation.

Contract: Dragon CMS Project
Centaur Media

January – July 2017

I worked on building a large new project built using Domain Driven Design, event sourcing and CQRS. Event messages were sent from the browser to the server via WebSockets, so that multiple users on the site would be able to see each others changes in real time. The front-end was built using Angular 4, and the back-end using C# Web API and SQL Server. My specific role was to build parts of the front and back-end, advise on architectural decisions, and create a tool to perform data migration.

Contract: LMI Reskin
Centaur Media

November 2016

I did front-end coding on this cosmetic redesign of an existing site.

Fashion Monitor
Centaur Media

March 2016

I was in charge of building a new site for this product, but using an existing database. I used roughly the same architecture for the front-end as I used in the Lawyer Market Intelligence project, and we again developed it in a highly modular fashion with many developers working in parallel.

The Lawyer Market Intelligence October 2015

Centaur Media

I was the lead developer on this brand new site, which including building a custom CMS. I designed the architecture for the front-end with a combination of AngularJs, LESS and Typescript; and built a skeleton back-end to interface with the database. After this initial phase the other developers joined in and we each worked on separate modules. Using this approach we were able to develop with a high degree of parallelization, and finished the project ahead of schedule.

Open Source Projects

ngx-strong-forms March 2019

I built a Typescript npm package to provides strongly-typed reactive forms for Angular.

GWToolboxpp July 2016 – April 2018

I contributed to a video game modification project using C++ and x86 assembly.

Qualifications

2008 - 2012 **MSci**. **Mathematics and Physics**
University of Bristol

2008 **UK Physics Olympiad**
Gold medal & one of 15 chosen to attend the International Olympiad preparation camp
University of Oxford

2006 - 2008 **5x A2 Level, Physics Advanced Extension Award**
Physics, Chemistry, Maths, Further Maths, Further Maths Additional
The Manchester Grammar School