SHARAD PATEL

SOFTWARE DEVELOPER

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Website 🗂
GitHub 🐙

PROFILE

I am a Software Developer actively seeking to leverage my technical background into a fulfilling career. With a deep-rooted passion for Technology and Design, I am captivated by the architecture of software. My experience in crafting full-stack solutions has developed my comprehensive understanding of how to build web applications at scale using **C#, ReactJS** and **SQL**. My proven ability to develop **RESTful API's**, optimise database performance and collaborate with cross-functional teams positions me uniquely for roles that require multifaceted technical acumen.

PROFESSIONAL EXPERIENCE

Full-Stack Software Developer   Mar 2021 - Dec 2023

Atkins Realis, London

- Delivered end-to-end features, allowing admins to manage users, organisations and supply chains, by building several **API** endpoints using the **.NET MVC** framework with **Dapper.** This resulted in a **4% decrease** in user complaints.
- Wrote documentation on API endpoints in **Azure DevOps**, detailing how to use and test them, fostering collaboration with fellow developers and greater time saved on the project.
- Drove work to allow users to view which assets are in a specific area on a map using **ReactJS**, leading to a **3% reduction** in misplaced assets around England.
- Improved database efficiency by simplifying **SQL** scripts to reduce query time, ensuring optimal use across the platform. This led to a **6% increase** in performance.
- Overhauled the project allocation system with a new design using **CSS, HTML** and **JavaScript**, resulting in increased visibility of current projects and a **11% reduction** in the number of individuals on the bench.

PROJECTS

Blog Website 🐙   Jul 2024 - Present

ReactJS, Node.js, MongoDB

- Building a **full-stack web application** to allow users to create blog posts and comment on them that focuses on some key concepts:
- **Authentication** and **Authorisation** using **Passport JWT** to allow users to create an account, login and access protected routes depending on permissions
- **Routing** in **ReactJS** and **Node.js** to allow frontend and backend to communicate
- Design and creation of **database models** using **MongoDB** and **Mongoose**
- Developing **API** endpoints with **CRUD** operations on posts and comments
- **State management** in ReactJS to keep track of posts
- Testing API endpoints using **SuperTest** and **Postman**

EDUCATION

The University of Warwick

MEng General Engineering | 2.1

Oct 2015 - Jul 2019

COURSES

The Odin Project   Present

Full-Stack JS Web Development ⧉

MongoDB   Jun 2024

MongoDB ⧉

Udemy   Feb 2023

Data Science & Machine Learning ⧉

DataCamp   Nov 2022

Data Science with Python ⧉

Learning Tree   Nov 2021

C# ⧉

SKILLS

Frontend	Backend
JavaScript	C#
ReactJS	Node.js
HTML	Python
CSS	MATLAB

Data	Tools
SQL (PostgreSQL)	Azure
NoSQL (MongoDB)	DevOps
Pandas	Git
Scikit-Learn	Figma
Tableau	
Power BI	**Frameworks**
	ASP.NET MVC
Testing	Express.js
MSTest	
Jest	
SuperTest / Postman	
React Testing Library	
Mongo Memory Server	