

TAYAMUL RAI

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An ambitious university graduate with a 2:1 degree in Mathematics with Computer Science and a commitment to pursuing a career in Software Development. Self-learning with a hint of bootcamp experience has deepened my knowledge and interests on getting into the tech industry even more. I wish to excel in a front-end dev role, eventually becoming a senior developer.

TECHNICAL SKILLS

Language: JavaScript

Front End: React.js, HTML, CSS, Material UI

Back End: Node.js, Express, SQL, Jest Testing Framework

Version Control System: Git

In the process of learning: TypeScript, React Native, Next.js, Socket.io, MongoDB

EXPERIENCE

Northcoders

Oct 2022 - present

An intense industry focused bootcamp that teaches JavaScript based technologies for both front and backend development

Undertaking the course has helped me develop a fundamental understanding of the core principles of Software Development and industry standard practices such as pair-programming, test-driven development, source control with git and project management; completed two projects as a result of it.

Concepts and technologies covered in the course are as follows:

- React.js library and React Hooks
- Node.js, Express, PostgreSQL for developing an API server that handles data programmatically using Model-View-Controller (MVC) pattern
- Controlled Components and Component State
- Functional Programming and Object-oriented programming (OOP)
- TDD (Test-Driven Development)
- SOLID principles
- CI/CD (Continuous Integration/Continuous Deployment)

Front-end project: <https://tayanews.netlify.app/> / <https://github.com/Tayamul/News-Web>

- Designed a reddit-like discussion website, using React, for engaging social enthusiasts by allowing them to rate an article, comment on them, and also post their own articles.
- Requested data from a backend API created by myself and then rendered them in a presentable way. Made use of a CRUD application from a front end perspective
- Implemented a mix of CSS and Material UI for designing a simple but an interactive website
- Optimised the use of Kanban board to keep track of tasks, allowed me to stay focused and determined to achieve my end goal; assisted throughout to maintain targets
- Implemented React Hooks and component state to control the behaviour of the components
- Tested responsiveness on various devices to improve user experience, which in turn, made the site more attractive and user-friendly

Back-end project: <https://github.com/Tayamul/Tayamul-news-api>

- Developed a RESTful API that utilises Express and PostgreSQL to save data in a database and serve JSON objects to several different endpoints
- Implemented TDD, using Jest, at every stages of the progress to make sure every potential errors and sad paths are handled
- Constructed SQL queries to perform CRUD operations
- Implemented a CI/CD pipeline to deploy the server on Render

EMPLOYMENT

Tesco, Greenford

Sep 2019 - Oct 2022

Delivery team leader

- Allocated delivery routes among drivers to optimise the delivery process in terms of cost and speed
- Dealt with customers in a professional manner and resolved any issues effectively
- Trained new drivers to deliver great customer service and also follow company's procedures

EDUCATION

Brunel University, Uxbridge

Sep 2013 - Jun 2017

BSc Mathematics with Computer Science (2:1)

Haydon School, Northwood

Sep 2011 - Jun 2013

Mathematics (C), Applied ICT (B), Economics (D)

HOBBIES & INTERESTS

UDEMY: A web development course that taught the essential technologies required for front-end development with a primary focus on React.

Books read (2022): How to own the world, The subtle art of not giving a F, The mocking bird, Homo sapiens, Man's search for money, Karnali blues, Scion of Ishvaku,

Football: 5+ years of playing football with regular practice; improved coordination, communication and teamwork.

Hiking: Every year embark on a hiking trip around UK with friends.

Stock trading: Learning how to trade as a hobby to keep myself focused and disciplined.