Shubham Lal

Backend Developer • Frontend Developer • Fullstack Developer

Bengal Institute of Technology • 2025 Pass out

Work Experience

Open Source Developer @ freeCodeCamp, ⧉ Remote

May 2023 - Present (1 month) | Part-time

- Open source curriculum based codebase
- Working on frontend of the webpage
- 3 of 4 PRs merged as of now. Check out the link to know more.

Skills Developed: Typescript, HTML, CSS

Team Members: Naomi Carrigan (Developer), Muhammed Mustafa (Developer)

Projects

Reddit Clone 🔗 </>

- UI rich Social Media Platform
- Frontend with NoSQL using Google Firebase
- CRUD operations

Skills Developed: NextJs, Firebase, Typescript

Twitter Clone 🔗 </>

- Awesome looking Twitter clone build using NextJS + TailwindCSS.
- Firebase v9 integrated for post creation and file storage.
- With the support of NewsAPI making this application super awesome.

Skills Developed: NextJs, Firebase, Javascript

Clang Social | Social Media Platform 🔗

- A Social Media Platform with a very reliable, fast, user friendly UI to interact with.
- Used many up-to-date React libraries to make application super-fast and user friendly.
- Supports many social media functionality with the likes of Video+Voice Call.

Skills Developed: React.js, MongoDB, Redux, Google Cloud, NodeJs, ExpressJs

Infix Expression Operations 🔗 </>

- Ultimate website to help you with Infix operations
- OOPs with JavaScript

Tagline

Consistent Dev • Tech Enthusiast • Node.js Developer • Builds monolithic web apps • Contributing @freeCodeCamp

Skills

MongoDB | React.js | NextJs | Tailwind | Redux | NodeJs | C/C++ | ExpressJs | Firebase | Python

Education

Bengal Institute of Technology, Kolkata

B.Tech, Computer Science Engineering (CSE) | 8.8 CGPA

2021 - 2025

Certifications & Courses

JavaScript Algorithms and Data Structures

- While HTML and CSS control the content and styling of a page, JavaScript is used to make it interactive. In the JavaScript Algorithm and Data Structures Certification, I learned the fundamentals of JavaScript including variables, arrays, objects, loops, and functions. Along the way, I also learned two important programming styles or paradigms: Object Oriented Programming (OOP) and Functional Programming (FP).

February 2023 | Certificate Link

Back End Development and APIs

- Today, one of the popular ways to build applications is through microservices, which are small, modular applications that work together to form a larger whole. In the Back End Development and APIs Certification, I learned how to write back end apps with Node.js and npm.

March 2023 | Certificate Link

Build Facebook clone with REACT JS AND THE MERN STACK 2023

- Build a fully advanced Social Media Facebook Clone Application and Master React js, Node js, Express js & Mongodb

January 2023 | Certificate Link

Responsive Web Design

- Infix to Postfix Conversion, Postfix Evaluation directly from Infix Expression, Infix to Prefix Conversion, Prefix Evaluation directly from Infix Expression

Skills Developed: Javascript, OOPs, HTML

CertyStore | E-Commerce Site v1 🔗 </>

- Simple Web E-Commerce site
- Built with Headless CMS Strapi
- Add to Cart, Purchase multiple items

Skills Developed: React.js, Redux, SASS

Login with IP System 🔗 </>

- A simple authentication system
- Used MongoDB for Database & CRUD workflow
- Login for Student, Teacher & Admin
- For Student, there is a predefined IP Address assigned in backend so that students can only login when connected to Institution's Wi-Fi

Skills Developed: React.js, MongoDB, Javascript

Question Answering AI 🔗 </>

- This AI can be your new friend for all your doubt solving & clarifications
- Integrated OpenAI's GPT-3 for prompt
- Question Answering AI Tool is Powerful Query replying tool powered by OPENAI and can be explicitly used to answer your questions

Skills Developed: React.js, Javascript, CSS

Image Generator AI 🔗 </>

- Image Generator AI is Powerful Image Generator Web App
- Generate Image with just a prompt and post, download or share with Community
- This web app is used to create and download imaginative and visually stunning images

Skills Developed: React.js, MongoDB, Tailwind

CertyStore | E-Commerce Site v2 🔗 </>

- Currently working on it
- Still in development mode
- Full Stack E-Commerce Web App with fully functional Admin's Dashboard

Skills Developed: React.js, MongoDB, Redux, NodeJs, Tailwind

JobIt 🔗 ▶ </>

- My Exciting Debut with React Native: A Journey of Discovery and Creativity!
- Smooth Workflow between React Native & Rapid API's JSearch
- Nearby Job Finder Mobile Application

Skills Developed: React Native, React.js, API

- In this Responsive Web Design Certification, I learnt the languages that developers use to build webpages: HTML (Hypertext Markup Language) for content, and CSS (Cascading Style Sheets) for design.

May 2023 | Certificate Link

ToDo App

- Full Stack Todo Application
- Frontend made with Vite and MongoDB used as Database for Backend
- Used Redux for CRUD applications

Skills Developed: Redux, MongoDB, SASS

Krypt | Blockchain Transaction

- Krypt is a personal project that documents my initial foray into the world of Web3 development.
- Contract functions written in Solidity
- Transfer of Sepolia Ethereum and post a message with gif to be stored in Blockchain network

Skills Developed: Solidity, Tailwind, Ethers.js

CrowdFunding | Support Campaigns with Ethereum

- CrowdFunding allows users to create and fund projects using Ethereum, ensuring transparency and security in the crowdfunding process.
- Written blockchain code with Solidity
- With this project, we can create our own decentralized crowdfunding platform, where users can collaborate and contribute to projects of their choice.

Skills Developed: Solidity, Tailwind, Ethers.js

Position of Responsibility

Co-Founder at WeKnewHow

- Managing and paving way for the Company's future

Achievements/ Extracurricular Activities

- Participated in Smart India Hackathon 2022