Md Asaduzzaman Ripan

Front End Developer

Front End Developer looking for a great opportunity to utilize my creative abilities. Proficient in HTML5, CSS3, Bootstrap4, JavaScript and React.js; plus modern libraries and frameworks. Passionate about building stuff, generating new ideas and bringing them to live by making responsive and accessible websites using front end technologies with a focus on product design.

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https://aripan.netlify.app

PROJECTS

TreatUrHunger — *A full stack restaurant website built with React.js, Redux, Node/Express.js and MongoDB.*

- ❏ Clean UI/UX design with user authentication.
- ❏ Functionalities include online reservation, checkout dishes and reviews, customize the list of favorite dish items and sending feedback.

MERN-Shop — *An eCommerce website built with React.js (including Hooks), Redux, PayPal API, Node/Express.js and MongoDB.*

- ❏ Clean UI/UX design with user authentication.
- ❏ Add to cart functionality, checkout products and payment gateway with PayPal.

Amazon-Clone — *A simple and minimalistic clone of Amazon is built using React.js (including Hooks), Redux, Stripe API, Node/Express.js, Firebase (Backend-as-a-Service).*

All the PROJECTS are available at *https://aripan.netlify.app/*

EDUCATION

University of Stuttgart, Germany — *M.Sc. in Computational Mechanics*

Sep 2016 - Nov 2019

Main coursework: Data Structures, Design and Analysis of Algorithms, Statics and Dynamics, Numerical Simulation, Mathematical modeling, Software Development.

Presidency University, Bangladesh — *B.Sc. in Civil Engineering*

Jan 2010 - Dec 2013

Major in Structural Engineering with a focus on Computational Analysis.

SKILLS

Front End

HTML5, CSS3, SASS, Bootstrap4, JavaScript (Fundamentals, DOM, OOP, ES6+), React.js (Fundamentals, Hooks), Redux

Back End

Node/Express.js, APIs(REST), Databases(MongoDB/PostgreSQL)

Tools

Console, Git & GitHub, NPM, Gulp, Postman, VS Code

CERTIFICATIONS

Server-side Development with NodeJS, Express and MongoDB
[**Coursera**- Issued Aug 2020 -No Expiration Date- **See credentials**]

EXPERIENCE

Deutsche Zentrum für Luft und Raumfahrt (DLR), Stuttgart — Research Assistant & *Master Thesis*

Oct 2018 - Nov 2019

Goal: Development of a meshing software to conduct numerical simulation of a porous structure to find out the performance limitations.

- ❏ Development of a meshing software by integrating a pre-built model.
- ❏ Computational Analysis of the structure through numerical simulation and creating a graphical representation using a data analysis and visualization application.
- ❏ Verification and validation of the developed model.

More details can be found out in the published Journal.

University of Stuttgart (Institut für Maschinenelemente), Stuttgart — *Research Assistant*

Nov 2017 - Sep 2018

- ❏ Testing and optimizing the system behavior of sealing elements using a 3D design software.
- ❏ Support to enhance integration and scope of an in-house built meshing software.
- ❏ Building a simple Graphical User Interface (GUI) to represent the changes of behavior.

Front-End Web Development with React
[**Coursera**– Issued Jul 2020 –No Expiration Date– **See credentials**]

Front-End Web UI Frameworks and Tools: Bootstrap4
[**Coursera**– Issued Jun 2020 –No Expiration Date– **See credentials**]

Basic of Web Development & Coding Specialization
[**Coursera**– Issued Jun 2020 –No Expiration Date– **See credentials**]

Responsive Web Design
[**freecodecamp**– Issued Jun 2020 –No Expiration Date– **See credentials**]

LANGUAGES

- ❏ English (CEFR C1)
- ❏ Deutsche (CEFR B1)
- ❏ Bengali (Mother Tongue)