Talha Yousuf

Full Stack Web Developer

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EXPERIENCE

MERN Stack Developer
Sedenius Technologies (Pvt) Ltd. ⤢

04/2021 - Present

Achievements/Tasks

- Developed an asset management and rental web portal using React, Redux, and, LeafletJS.
- Closely worked with product manager and design team to bring the application from concept to code.
- Performed manual testing in various browsers and mobile devices to ensure cross-browser compatibility and responsiveness.
- Set up and managed CI/CD pipeline with Jenkins.
- Implemented new features, resolved bugs, improved performance through code-refactoring for a customer-facing react native app.

Design Engineer
CARE (Pvt) Ltd. ⤢

07/2019 - 03/2021

Achievements/Tasks

- Developed and shipped highly customized and fully-responsive enterprise IoT Web portals built in MERN Stack.
- Interfaced with clients on a weekly basis for requirement gathering.
- Worked closely with designers for translating business requirements into technical features and designing the UI/UX.
- Worked with a team of developers to design the backend architecture.
- Translated UI wireframes to frontend code.
- Worked on code-refactoring, bug-fixing and developing new features for existing applications (mainly in JavaScript).
- Learned and implemented best development practices to write clean, re-useable, scalable, and efficient code.
- Developed and maintained RESTFul web services.

Embedded Systems Developer
Genes and Machines

04/2018 - 09/2019

Achievements/Tasks

- Developed embedded hardware and software for point-of-care IoT based blood testing devices.

Co-founder/Embedded Systems Developer
Uproot

02/2018 - 09/2019

Student Start-up Business Center , NUST-TIC

Achievements/Tasks

- Developed embedded hardware and software for automated hydroponics farms.

EDUCATION

Bachelors in Electrical Engineering
NUST School of Electrical Engineering And Computer Science (SEECS)

Graduated , 2018

SKILLS

JavaScript(ES6)   HTML, CSS   React, Redux, Next

Styled Components, MaterialUI, Bootstrap   Node, Express

MongoDB, MySQL   Netlify, Heroku, Firebase

Git, Trello, Redmine   Figma, Photoshop   Python, C++

PROJECTS

WiserMachines ⤢
A full-stack web app built for digitizing factory shop floors. [Demo] [Source]

- Frontend stack: React, Material UI, Redux
- Backend stack: Node, Express, MongoDB, Websockets, MQTT, JWT Authentication
- Its users can be factory personnel with different roles and levels of authorization.
- The app features several fully responsive dashboards that visualize real-time raw data from machines, and insights about machine performance, up-time & utilization.
- Factories are mapped out in terms of workshops, zones, and machines which can be monitored individually and grouped.
- Users can schedule work shifts, keep track of production schedules, generate reports, set triggers and thresholds on machine or environment data for alert generation and receive real time push notifications.

Asset Management
A comprehensive asset management and rental application.

- Stack: React, Redux, Leaflet, Recharts, RBC
- Its users can be renting agencies, renters/customers, other agencies or freelancers that can perform maintenance of assets, which can be electronics, hardware tools, vehicles and any other kind of machines/equipment.
- Users can track their assets by location and status. Schedule them for rent or maintenance. Plan maintenance tasks, allocate resources, and coordinate with other users.
- Users can have roles inside an agency such as admin, manager, employee etc. each can be assigned different level of authorization by admin.
- Users can see an overview of schedules, locations and status of their assets. They can create and modify assets, change ownerships, set reminders for events, and create templates for assets, events or tasks.

Portfolio
Personal portfolio website. Designed and developed with a conscious effort to avoid using any libraries/frameworks besides nextJS and styled-components, hence all the components, their styling and transitions/animations are implemented from scratch. [Source]

MERN Social Media App ⤢
This was a personal project. Its a full-stack app build in MERN featuring basic functionalities of a social media platform. Such as: User authentication, CRUD operations (user profiles, posts, likes, comments etc.), Error response handling, Server-side form validation, and Responsiveness . [Demo] [Source]

- Frontend: React, Bootstrap and Redux
- Backend: Node and Express REST API, MongoDB

React-Redux Boilerplate
React-Redux Boilerplate code setup with community best practices. [Source]

Genes and Machines Website
Website for Genes and Machines, a science communication startup, featuring a video gallery for their podcasts with filter based on tags. [demo]