

# Talha Yousuf

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**Skills:** Full-stack web development, project planning and estimation, CI/CD, Data pipelines, Bash scripting  
**Languages:** Javascript, Typescript, Python, HTML, CSS, Bash  
**Frameworks:** React, Redux, Next, NodeJS, Express, Tailwind  
**Databases:** MongoDB, Firebase realtime database  
**Tools:** Docker, Jenkins, Git

## Timeline:

**Sedenius Engineering GmbH** - <https://sedenius.com/>

April 2021 - Present

### Senior Software Engineer

Jan 2023 - Present

Neoteric Softwares Pvt. Ltd. - *Subsidiary of Sedenius Engineering GmbH*

- Worked on a peer-to-peer NFT marketplace web app from concept to completion. My contribution was in developing the, 1) front-end for the customer facing app which allows users to mint, purchase and sell NFTs over multiple blockchains, and 2) a CMS app for the admin. The tech stack consisted of react, redux, and tailwindCSS.
- Performed planning and estimation for multiple projects.
- Planned and carried out refactoring tasks for performance improvements.
- Built scalable, high-volume, high-availability systems, with a focus on delivering customer value.
- Performed peer reviews and coached junior developers.
- Worked on containerization of multiple applications.
- Created and maintained CI/CD pipelines.

### MERN Stack Developer

April 2021 - Jan 2023

Sedenius Technologies Pvt. Ltd. - *Subsidiary of Sedenius Engineering GmbH*

- Developed an asset management and rental web portal using React and Redux.
- Developed a coding assessment platform using react and firebase.
- Worked on a smart home devices app (IoT) built in React Native (iOS, Android). I worked on implementing some new features, resolving bugs, and code-refactoring.
- Closely worked with the product manager and design team to bring the applications from concept to code.
- Performed manual testing in various browsers and mobile devices to ensure cross-browser compatibility and responsiveness.
- Designed & developed new, as well as maintained legacy backend services and REST APIs written in Javascript (NodeJS).
- Developed internal tools and automation scripts in Bash & Python.
- Responsible for creating and maintaining CI/CD pipelines for projects. This involved setting up Jenkins, writing bash scripts for automated testing, server deployment, and managing the server environment.
- Worked on making applications EU GDPR regulations compliant.

### Design Engineer

July 2019 - March 2021

CARE Pvt. Ltd. - [carepvtltd.com](https://carepvtltd.com)

- 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.
- Translated UI wireframes to frontend code.
- Designed & developed new, as well as maintained legacy backend services and REST APIs written in Javascript (NodeJS).
- Developed internal tools and automation scripts in Bash & Python.
- Build data pipelines in python and sqlite to clean and organize IoT data from different sources and generate visualizations.
- Worked on embedded hardware and software for IoT sensor nodes from PCB design to fabrication to real-world deployment and testing.

### Co-founder/Embedded Systems Developer

February 2018 - September 2019

Uproot, Student Start-up Business Center, NUST-TIC

- Developed embedded hardware and software for automated hydroponics farms.

### B.Eng. (Electrical Engineering - Embedded Systems)

Class of 2018

NUST School of Electrical Engineering and Computer Science

- **Relevant classes:** Data Structures & Algorithms, Object Oriented Programming, Embedded System Design