



# Muhammad Umar Shakeel

FRONT END DEVELOPER

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| Date of Birth: 3 August 2000 | Nationality: Pakistan

## Education

### Constructor University (previously known as Jacobs University Bremen)

B.SC IN COMPUTER SCIENCE

Bremen, Germany

Feb. 2020 - June 2023

### Beaconhouse School System

INTERNATIONAL BACCALAUREATE (IBDP) | GRADES: 37/45 BANDS

Lahore, Pakistan

Sept. 2017 - May. 2019

- **Notable achievements:** Only student out of top 150+ international IB students to be awarded a 1500 USD scholarship during International World IB Conference in Hong Kong. Attended conference to raise awareness about education inequality for women.

## Experience

### genese.de GmbH

Bremen, Germany

ANGULAR FRONT END DEVELOPER (INTERNSHIP AND WERKSTUDENT)

October. 2021 - Current

- Successfully planned and implemented NgRx state management library and replaced previous implementation of using Angular services to manage state
- Used SignalR in combination with NgRx to enable ability for multiple instances of application to maintain consistent state across different browsers
- Optimized and decreased application build size by more than half by implementing lazy loaded routes and Webpack dynamic imports
- Completely redesigned and rebuilt front-end UI design using Angular Material UI and Tailwind CSS
- Maintaining and adding new features to improve user experience and website responsiveness

## Skills

**Front-end** Angular, React.js, TypeScript, NgRx, RxJs, Redux, JavaScript, Tailwind, Material UI, HTML5, CSS

**Back-end** .NET, Entity Framework, SignalR, REST API, SQL, PostgreSQL (Supabase), Google Firebase

**Programming** JavaScript, Python, C/C++, C#, Arduino

**Developer tools** Git, GitLab, VS Code, Netlify

**Languages** English (native level), German (B1), Urdu (native level)

## Projects

**Personal Portfolio Website:** <https://umar-00-portfolio.netlify.app/>

### CharityMeet

**CLICK HERE: CHARITY MEET**

- Personal full-stack project made using React, Supabase and PostgreSQL
- App State management implemented using Zustand library
- Front-end design made using Material UI components library
- Charity organisations can post, delete and edit events, including specifying the location of events
- Charity volunteering users can search for charity events near a chosen address
- Maps and places search auto-complete implemented using Google Maps and Places API

### Twitter Clone

**CLICK HERE: TWITTER CLONE**

- Built with React.js and Tailwind CSS. Made fully responsive for mobile and desktop
- App State management provided through Redux and Redux-Persist implementation
- Users can sign-up/log-in using personal Email or Google's Sign-in functionality; each logged-in user has a unique profile, the ability to change their Display Name and Profile Photo, and ability to send new Tweets (optionally with pictures) that are visible to every other user
- Tweets are sent and retrieved from a Google Firebase server in real time