

Ali Naqvi

GitHub: alirazaNaqvi5

Email: alinaqvi514@hotmail.com

Mobile: +92-305-8720000

LinkedIn:

<https://www.linkedin.com/in/ali-naqvi-480631169/>

EDUCATION

University of Central Punjab

- Bachelors of Science in Computer Science

EXPERIENCE

GreenAge Service Pvt. Ltd

Islamabad, Pakistan

Software Engineer

Oct. 2021 - present

- **Ubuntu NGINX:** Worked on creating, development server using NGINX for Node.js, Django and Flask. Created CI/CD environment using Jenkins automation server with GitHub Hooks to test and deploy server Apps to production. Created routes to redirect traffic to the specific Node/Django/Flask server in NGINX. Also managed Database migrations from MySQL to PostgreSQL.
- **Restfully Abstract/API:** Created Mobile and Web Application's server using NodeJs, with databases PostgreSQL, MySQL and authentication using JWT (JSON Web Tokens) library. Also created some API's endpoints in web application using Next.js to implement server side rendering.
- **Sequelize ORM:** Used Sequelize Object-Relational Mapping library to connect multiple databases (MySQL and PostgreSQL) with NodeJs server and created database tables. Also created associations (Relations) like many to many, many to one, one to one, between tables using Sequelize.
- **Front-end: React, Next.js:**
 - 1: Worked with advance web development technologies like React, Next.js, Bootstrap/React-Bootstrap, css/Styled Components/Tailwind, HTML5.
 - 2: Worked on AI based product of farm monitoring. Helped in designing the workflow of our product. Maintained MYSQL and PostgreSQL databases. Created and managed API's in node.js. Created admin panel in react.js, Web Application in Next.js.
 - 5: Used Redux and useContext hook to store and get data globally and for easy retrieval to any component in the app.
 - 6: Used React Refs, useMemo, useCallback, Controlled and Un-Controlled react components for different use cases.
 - 7: Used Tailwind CSS for lightweight components building and fast development.
 - 8: Maximized use of Events and promises in ES6 and React for application control flow and for data destructuring.
 - 9: Created secure RESTful-based web services JSON, JavaScript. Used Media-Queries for responsiveness over all devices.
 - 10: Worked with AXIOS, and FETCH promise-based HTTP client for the browser, and NodeJS for hitting REST endpoints and fetching data into the app.
- **Code Architecture:** Reviewed and revised Web designs to ensure technical compliance and propose architectural improvements.
- **Methodology:** Used Scrum Agile Methodology in my work (Daily Scrum Meeting, 1on1 meeting). Work record is maintained over Trello.
- **Databases:** As a large-scale organization holds large-scale data for their operations so we worked with SQL databases (PostgreSQL, MySQL). Although I also have experience with NoSQL databases(Mongo dB, Firebase)
- **In-App Messaging:** Used Socket.io library to implement Real-time operations like in App Messaging services and one to one chat system.
- **Mobile App Development (IOS / Android):** Worked on React Native framework to build Cross Platform Mobile Applications for IOS and Android Devices.

Projects:

1: Location Based Crop Suitability: Created Mobile Application and published on Play Store, in this App, customer can draw a polygon on Map and we get that Geometry array in our backend and compare it with the database, in our database we have all Pakistan land's soil samples data, according to which we detect that which type of crop in the current and coming season is suitable for that land.

PROJECTS

- **Email Campaign Manager and Bulk Email Sender:** To start an email marketing campaign, we have lots of services available online. But these options are expensive in some ways, when you want to send millions of Emails. I have created this Email sender in Node JS. We have to just give a list of emails on that we want to send emails when we start this node project it will read all the emails address. Then read HTML CSS designed file, which have some command strings. These command strings will be automatically replaced with the receiver's name and email address. Then this HTML file with changed command strings will be send to the respective email address. And same procedure will be followed for all the email address in the list in a continuous loop. Within few minutes it can send millions of emails without any charges
- **Automated Travelers List Generator:** I have created this project for one of my friend's travel agency. They have a problem of creating list of passengers every time when they travel in many groups for Umrah or Haj to Makkah. They have to individually add traveler information in MS Word to create a list of group members. But the main issue was if they get hundreds of applications for tour. So I have created a mobile App which is connected to the backend system where all the previous groups' information is saved. In the mobile App, now they have to only scan QR Code of Passport or CNIC. Then App will show him, if the person's info exist. If it exists, it will automatically add that person to the upcoming group tour list. And at the end they get a simple PDF file of list of group members.
- **Web Automation and Web Scraping:** Created scripts in Node.js using Puppeteer – npm library to automate web browsers, also used Python with Selenium – pip library and BeautifulSoup – pip library to scrap data from web page or automate web browser to perform any specific tasks.

SKILLS

- **Languages/Tools:** JavaScript, NodeJS, Express.js, React.js, Next.js, React Native, Firebase, VS-Code, GitHub, Python, Django, NGINX server