

Ahsan Mehmood

Full Stack Software Engineer

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Summary of Key Skills

I'm a **Software Engineer** with expertise in **Ruby on Rails** for both backend and frontend development and **JavaScript** frameworks like **ReactJS** and **jQuery**. I'm responsible for **maintaining client applications** using platforms such as **Heroku** and **AWS**, and I specialize in working with **RESTful APIs** and using **Postman for API testing**.

Technical Proficiencies

Development: Full Stack Development for mobile and web applications using the following technologies:

- Ruby on Rails
 - API only application for the backend of the Mobile Application
 - Full Stack for Web Application
- JavaScript (ReactJS, jQuery)
- SCSS
- Postman API for testing APIs
- Streamlined application performance by leveraging **Heroku** for deployment and integrating AWS S3 for efficient asset management, significantly reducing file retrieval time.

Tools, IDEs & Systems: VS Code, Git, Github

Professional Experience

Visnext Software Solutions

Software Engineer

03/2024 - Present

Task & Responsibilities:

- As a Full Stack developer, I'm building and maintaining a software product named **GreenPal**, which is a US-based freelancing platform with over **10 M+ users** for mowing service providers.

- **Direct communication** with the CTO and CEO of the company for requirements and maintenance.
- Recently, I have added many new features to their products. Some of them are,
 - Sharing an auction for mowing with existing or new users using a link.
 - Implemented a streamlined **QR code functionality** that facilitated profile sharing; the feature is projected to increase user interactions by **14%** within the first quarter of launch, improving overall event experience.
 - Major **design fixes** on different screens
 - Tracking users' activity and clicks for feedback data for improvement
 - Security of transactions using the **Stripe API**.
- **Documentation of APIs** with videos of all flows and key features of the application for non-technical members of the client's company.

Education

Bachelor of Science (BS) | Computer Science

08/2019 - 1/2024

FAST National University of Computer and Emerging Sciences (NUCES), Lahore, Pakistan

I have strong concepts of the following core subjects of Computer Science:

- Object Oriented Programming
- Data Structures
- Databases
- Design & Analysis of Algorithms
- Software Engineering
- Artificial Intelligence
- Operating Systems

Final Year Project

- MERN-based project along with the integration of Natural Language Processing algorithms.
- Our system makes clusters of emails of the same context and makes clusters of different contexts. In each cluster, there will be emails about the context of that cluster. Then our system suggests a reply based on the previous replies of the user.
- After clustering of emails based on context (that will be classified using the following NLP algorithms):
 - DocToVec
 - GRU SentToVec
 - TF-IDF

- For email data, we will be using the Gmail API provided by Google.