

# Saad Baig

## Self Taught Software Engineer

A Lifelong Learner and a dedicated Professional with experience in building **web applications** using **JavaScript** & related **frameworks**. I am eager to leverage my expertise and continue to grow professionally while tackling new challenges.



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## WORK EXPERIENCE

### Software Development Engineer II Matrix Systems Pvt Ltd

04/2023 - Present

Karachi, Pakistan

#### Achievements/Tasks

- Developed a **fintech product** (Advisor Sketchbook) from scratch using **Angular** and **Springboot**.
- Transformed **figma designs** into dynamic, fully functional screens, ensuring seamless **user experiences**.
- Engineered and implemented custom **state management** (store) service to optimise performance and **streamline data flow** within the project.
- Engineered and implemented **API call shifter** (responsible for redirecting API calls to different servers) based on host.
- Conducted **code reviews** to ensure **code quality**, consistency, and adherence to best practices within the development team.
- Deploying development environment solutions on the production environment using **Docker containers**.
- Mentoring team** members to foster skill development, collaboration, and strengthens the overall capabilities of the team.

### Software Developer Consultant Transworld Associates

07/2022 - 04/2023

Karachi, Pakistan

#### Achievements/Tasks

- Collaborated in different projects with cross-functional teams in compliance with the **Agile methodology** and **Scrum framework**.
- Developed an in-house data-intensive product (Nucleus) from scratch using **Vue js** and **Nest js**.
- Implemented Role Based **Authentication and Control**.
- Implement a real time **data pipeline** to process alarms and perform business logic on them using **Kafka** and **BullMQ**.
- Played an important role in **designing** the **System Architecture**.
- Developed and implemented **ground rules** and **style guides** ensuring **consistency** and **alignment** across all team members.
- Worked with version control systems like **Git** to manage the codebase changes and facilitate **team collaboration**.
- Participate in **requirement analysis** and review sessions to deeply understand the project scope.

## EDUCATION

### INDUSTRIAL & MANUFACTURING

#### NED University of Engineering & Technology

10/2018 - 09/2022

CGPA 3.801

#### Achievements

- Ranked in Top Ten: Got 5th position in whole batch.

### Artificial Intelligence PIAIC

04/2019 - 02/2022

A Grade

#### Projects

- Face Detection With Python.
- Facial Recognition Based Attendance System.

## SKILLS



## ACHIEVEMENTS

Design Patent of "Plier Tool (Class-01) (08/2021 - Present)  
*Recognized by the Government of Pakistan for filing a Design patent.*

Published Research Paper Related to Machine Learning in International Conference (08/2021 - Present)  
*Platform: Research Square*

Got Special Prize while participating in the Pakistan Quiz Society (2018 - Present)

Won the Outstanding delegate award in MUN

Winner of Prestigious Abdul Qadeer Khan Trophy in 2017

## CERTIFICATES

Deep Learning Specialisation (Coursera)  
(05/2020 - Present)  
*Credential ID: D8GLV474G4B7*

98-381:MTA: Introduction to Programming using Python  
(10/2020 - Present)  
*Credential ID: wqoPX-2FwT*

Microsoft Office Specialist: Associate (Office 365 and Office 2019)

## LANGUAGES

English  
*Full Professional Proficiency*

Urdu  
*Native or Bilingual Proficiency*

## INTERESTS

Learning New Tools and Technologies of Tech Industry

Investment

Public Speaking

Book Reading