

Abdullah Safwan

Software Engineer

Software Engineer specializing in Backend development, with a proven track record of designing and implementing scalable, secure, and high-performance systems.

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🔄 github.com/abdullahsafwan

WORK EXPERIENCE

Software Engineer

Diya Interactive

09/2024 - Present

Achievements/Tasks

- Developing a scalable B2C application using Serverless Framework, Node.js, TypeScript, Prisma, and MySQL — delivering secure, cloud-native services with high availability.
- Collaborated with stakeholders to resolve business queries and align requirements with technical solutions.
- Provided technical mentorship to a junior backend engineer, fostering skill growth and improving team efficiency.

Associate Software Engineer

Diya Interactive

01/2023 - 08/2024

Achievements/Tasks

- Built backend services with Django and AWS.
- Architected backend APIs for an audio streaming platform using Node.js, Prisma, and AWS Media Services, enabling real-time streaming and seamless playback for thousands of users.
- Collaborated with stakeholders to gather requirements, presented demos, and delivered proofs-of-concept to align business and technical goals
- Researched new technologies and integrated modern frameworks and cloud services.
- Led knowledge-sharing sessions, technical calls, and demos to boost team collaboration.

Backend Intern

Diya Interactive

11/2022 - 01/2023

Achievements/Tasks

- Developed CRUD APIs using Django Rest Framework.
- Live Video Streaming Architecture using RTMP & HLS.
- Shadowed senior developers to gain hands-on exposure to backend development best practices.

EDUCATION

B.E Computer Systems Engineering

DUET Karachi

11/2018 - 10/2022

Karachi

Courses

- Majored in Machine Learning

SKILLS

Node JS

Typescript

Backend Development

Python

Django

AWS

AWS Media Services

MySQL

Serverless Framework

FFmpeg

Unix CLI

Communication Skills

PERSONAL PROJECTS

ERP & CRM for Repair Services Business

- Designed and implemented a Node.js MVC ERP & CRM system to automate GPU repair workflows, including booking, queue management, and technician assignment — reducing manual effort by 40% and improving service traceability.

PiHole DNS

- Deployed a DNS Sinkhole to filter unwanted content on a private network using RaspberryPi.
- Blocked ~30% of total network traffic, improving network efficiency and reducing bandwidth usage.

FYP Students Performance Prediction using ML

- Grade Prediction of Students using a machine learning model trained on real-world data, using different algorithms like LR, SVM, Ensembles and MLPR

ACHIEVEMENTS

Architected and designed the flow of a scalable media streaming application, leveraging AWS Media Services for real time processing & archiving (03/2023 - 01/2024)

Youtube SEO (12/2017 - 07/2019)

www.youtube.com/TrickyTorials

LANGUAGES

English

Full Professional Proficiency

Urdu

Native or Bilingual Proficiency

INTERESTS

Linux

eSports

Video Games

Fiction Reading

Movies