

# THOUSEEF HAMZA TP

Django+React Developer | Python Developer

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80+ Leetcode



## SKILLS

### EXPERTISED

- Python
- Django
- Django REST Framework | REST API
- ORM (Object Relational Mapper)
- MVC/MVT Architecture
- HTML/CSS/Bootstrap
- React JS
- Redux Toolkit
- Git
- OOPs

### FAMILIAR

- C Programming Language
- Javascript
- AWS
- Nginx
- Figma
- Celery
- Chart JS
- GitHub/Bitbucket
- Django Channels
- AJAX

### DATABASES

- PostgreSQL
- MySQL

### INTEGRATIONS

- Paypal API
- Twilio API
- Cloudinary
- JWT (Json Web Token)
- Amazon S3

### API DOCUMENTATION

- Swagger (drf-yasg)

### TESTING

- Postman
- Pytest

## ACHIEVEMENTS

**Best Performer of the month -  
May 2023**

Bridgeon Solutions LLP

## PROJECTS

### Doodle - Student Management System & Job Portal (Ongoing)

**Github Repository:-** [Backend](#) | [Frontend](#)

- Technologies :- Django, Django REST Framework, JWT, Twilio API, Figma, ReactJS, Redux Toolkit, Cloudinary, Material UI, Swagger API, Celery(django-celery), Redis

#### Developed features:-

- Optimized data retrieval with REST **Pagination**, cutting large dataset response times by 30%. Improved API response by 20% using Django REST Framework's **APIView** and **efficient ORM queries**.
- Implemented **JWT** authentication, resulting in a 20% reduction in unauthorized access incidents.
- Integrated **Twilio API** for phone number verification and integrated **Django SMTP** for email verification, leading to a 95% improvement in verification success.
- Orchestrated the automation of **Celery task scheduling** for fee notifications, overdue reminders, and daily penalty increments, customized for each institute's unique schedule; resulting in a remarkable 30% enhancement in user experience.
- Utilized **Redux Toolkit** to optimize performance and manage state changes effectively, resulting in a 30% reduction in redundant state updates.
- Implemented **Cloudinary** for efficient management of media files reduced file uploading time by 20%.
- Crafted a user-friendly frontend using **React JS** and **Material-UI**, leading to a substantial 25% increase in user engagement and satisfaction.
- Executed **Swagger API** for automated testing, fortifying frontend developer's documentation and enhancing error detection.

### GamePy - An E-Commerce Platform for Gamers

**Github Repository:-** [GamePy](#)

- Technologies :- HTML, CSS, Javascript, Bootstrap5, Django, PostgreSQL, Nginx, AWS (EC2, RDS, S3)

#### Developed features:-

- Crafted a user-centric interface with robust **review and rating** functionalities, driving a 30% increase in customer engagement and doubling the conversion rate for Games, PCs, and accessories.
- Integrated **PayPal API** for secure and efficient payment processing, improving transaction processes by 20%.
- Hosted the application on **AmazonWeb Services (AWS)** utilizing **EC2** for application hosting, **RDS** for database management, and **S3** for scalable and reliable storage.
- Configured and optimized the web server using **Nginx** for enhanced performance by 20% increase in page load speed.

## EDUCATION

### **Bridgeon Solutions LLP**

Software Training Institute  
2023 Feb - Present

## MINI PROJECTS

- **Real Estate Management**

[Backend](#) | [Frontend](#)

Testable and Maintainable Real estate Management System

- **Medicos, Medical Project**

[Backend](#) | [Frontend](#)

## **DECLARATION**

I hereby declare that all the information furnished above are true and correct to the best of my knowledge.

**- Thouseef Hamza T P**